20gy 10gy hemostasis coagulation · blood coagulation response to pH phasic smooth muscle contraction - divalent inorganic cation homeostasis platelet activation granulocyte chemotaxis cytosolic calcium ion transport granulocyte migration positive regulation of ion transport regulation of granulocyte chemotaxis - cellular metal ion homeostasis positive regulation of calcium ion transport into cytosol -neutrophil migration -\*\* positive regulation of neutrophil chemotaxis positive regulation of granulocyte chemotaxis -multicellular organismal signaling positive regulation of calcium ion transport -regulation of macrophage migration -neutrophil chemotaxis positive regulation of ERK1 and ERK2 cascade detection of chemical stimulus cellular cation homeostasis - negative regulation of chemokine production transmission of nerve impulse -cellular ion homeostasis muscle contraction regulation of platelet activation - regulation of metal ion transport neuronal action potential regulation of monocyte differentiation action potential regulation of ERK1 and ERK2 cascade regulation of macrophage chemotaxis positive regulation of phagocytosis regulation of calcium ion transport into cytosol tissue remodeling positive regulation of cation transmembrane transport regulation of endothelial cell apoptotic process cytokine-mediated signaling pathway -export across plasma membrane response to fungus -platelet aggregation -smooth muscle contraction defense response to fungus - skeletal muscle contraction neuromuscular synaptic transmission -positive regulation of neutrophil migration -regulation of humoral immune response integrin-mediated signaling pathway positive regulation of ion transmembrane transport positive regulation of inflammatory response positive regulation of limitalimitatory response positive regulation of leukocyte chemotaxis leukocyte proliferation
positive regulation of response to external stimulus regulation of synapse assembly regulation of tube size muscle system process -negative regulation of leukocyte proliferation -metal ion export myeloid leukocyte migration positive regulation of cytokine-mediated signaling pathway positive regulation of macrophage migration neuron cellular homeostasis -regulation of coagulation -regulation of tube diameter blood vessel diameter maintenance blood vessel remodeling interleukin–17 production -regulation of cation transmembrane transport -ERK1 and ERK2 cascade positive regulation of cell—matrix adhesion positive regulation of phosphatidylinositol 3–kinase signaling
T-helper 17 type immune response positive regulation of T cell proliferation positive regulation of total proliferation positive regulation of type 2 immune response positive regulation of type 2 immune response positive regulation of type 2 immune response to calcium ion response to calcium ion regulation of leukocyte degranulation - lymphocyte proliferation sensory perception of mechanical stimulus regulation of alcohol biosynthetic process positive regulation of animal organ morphogenesis regulation of blood coagulation vascular process in circulatory system musculoskeletal movement multicellular organismal movement positive regulation of chemotaxis regulation of interleukin–17 production phagocytosis adaptive immune response regulation of transmembrane transport regulation of release of sequestered calcium ion into cytosol-keratinizationblood circulation response to interferon-beta regulation of leukocyte chemotaxis positive regulation of response to cytokine stimulus -regulation of epithelial cell apoptotic process -renal system process acute inflammatory response positive regulation of calcium ion transmembrane transport circulatory system proadult behavior regulation of protein localization to plasma membrane-positive regulation of nitric oxide metabolic process response to metal ion -T cell proliferation sensory perception of sound actin cytoskeleton reorganization regulation of platelet aggregation positive regulation of secretion by cell positive regulation of secretion by cell sodium ion transport leukocyte chemotaxis regulation of hemostasis negative regulation of endothelial cell proliferation interleukin-6 production regulation of muscle contraction homotypic cell-cell adhesion regulation of systemic arterial blood pressure regulation of protein kinase B signaling regulation of nitric oxide metabolic process protein kinase B signaling othelial growth factor receptor signaling pathway positive regulation of transmembrane transport regulation of chemotaxis vascular endothelial growth factor receptor signaling pathway regulation of chemotaxis -regulation of T cell proliferation -organic anion transport regulation of blood pressure cell-substrate adhesion potassium ion transport myeloid leukocyte activation -regulation of tyrosine phosphorylation of STAT protein -locomotory behavior positive regulation of cell junction assembly - cell-matrix adhesion innate immune response -sodium ion transmembrane transport -response to osmotic stress nerve development olefinic compound metabolic process regulation of anatomical structure size cell chemotaxis cell chemotaxis cellular aldehyde metabolic process collagen metabolic process regulation of cell junction assembly hormone metabolic process reactive nitrogen species metabolic process cytokine production involved in immune response leukocyte mediated immunity regulation of mononuclear cell migration regulation of interleukin–6 production positive regulation of cell adhesion positive regulation of immune response -regulation of actin filament polymerization -amine metabolic process monocarboxylic acid transport cellular amine metabolic process - adaptive immune response based on somatic recombination of immune receptors buil... myeloid leukocyte mediated immunity -learning or memory -regulation of blood circulation regulation of actin cytoskeleton reorganization positive regulation of MAPK cascade positive regulation of image. Signaling positive regulation of protein kinase B signaling striated muscle contraction positive regulation of reactive oxygen species metabolic process inositol lipid—mediated signaling activation of immune response property. negative regulation of cell adhesion anion transport synapse assembly inorganic ion import across plasma membrane inorganic cation import across plasma membrane cardiac conduction regulation of peptidase activity - cellular hormone metabolic process - positive regulation of cell migration immune effector process regulation of peptidase activity regulation of protein localization to membrane negative regulation of cell activation neuromuscular process carboxylic acid transport synapse organization **NES** synapse organization · vasoconstriction actin filament polymerization regulation of muscle system process - regulation of heart rate -0 cognition cell junction assembly multicellular organismal response to stress regulation of actin filament length positive regulation of leukocyte activation import across plasma membrane phosphatidylinositol-mediated signaling organic acid catabolic process myeloid cell activation involved in immune response actin filament-based movement carboxylic acid catabolic process regulation of actin polymerization or depolymerization cellular biogenic amine metabolic process small molecule catabolic process epithelial cell apoptotic process regulation of endopeptidase activity positive regulation of cell activation cellular response to molecule of bacterial origin positive regulation of T cell activation nitric oxide biosynthetic process -regulation of vesicle-mediated transport -positive regulation of defense response cellular response to lipopolysaccharide lipid catabolic process actin polymerization or depolymerization - positive regulation of cytokine production endocytosis · associative learning positive regulation of hormone secretion actin filament organization negative regulation of leukocyte activation regulătion of inflammatory response response to hypoxia - organic acid transport response to bacterium regulation of adaptive immune response based on somatic recombination of immune ... regulation of heart contraction regulation of adaptive immune response -regulation of epithelial cell migration -regulation of MAP kinase activity -regulation of hormone levels process utilizing autophagic mechanism -autophagy -cellular lipid catabolic process -response to inorganic substance -lymphocyte mediated immunity organic hydroxy compound transport macroautophagy import into cell regulation of actin filament-based process -multicellular organismal homeostasis regulation of synapse structure or activity heart contraction regulation of response to biotic stimulus regulation of cell morphogenesis negative regulation of secretion regulation of cellular response to growth factor stimulus regulation of defense response endothelial cell migration positive regulation of DNA-binding transcription factor activity organic hydroxy compound metabolic process positive regulation of protein modification by small protein conjugation or remo... stem cell population maintenance maintenance - maintenance - maintenance of cell number - protein localization to nucleus - neural precursor cell proliferation - positive regulation of protein ubiquitination - establishment of cell polarity - regulation of mPNA motobolic process regulation of mRNA metabolic process regulation of DNA binding regulation of G1/S transition of mitotic cell cycle regulation of organelle assembly regulation of histone modification nucleocytoplasmic transport -nuclear transport organelle localization positive regulation of histone modification regulation of reproductive process histone H3 acetylation regulation of cell cycle G1/S phase transition somatic recombination of immunoglobulin gene segments -heterochromatin assembly -heterochromatin organization somatic diversification of immune receptors via germline recombination within a ... - somatic cell DNA recombination somatic cell DNA recombination establishment of protein localization to telomere regulation of cellular senescence histone H3–K4 methylation cell differentiation involved in embryonic placenta development negative regulation of RNA splicing regulation of alternative mRNA splicing, via spliceosome regulation of histone methylation response to UV single strand break repair somatic diversification of immune receptors somatic diversification of immune positive regulation of histone H3–K4 methylation peptidyl–lysine acetylation peptidyl–lysine acetylation -alternative mRNA splicing, via spliceosome -regulation of microtubule cytoskeleton organization negative regulation of mRNA splicing, via spliceosome DNA methylation DNA alkylation homologous chromosome pairing at meiosis histone H4 acetylation negative regulation of ubiquitin protein ligase activity internal part negative regulation of ubiquitin protein ligase activity internal protein amino acid acetylation internal protein armino acid acetylation internal peptidyl—lysine acetylation negative regulation of telomere maintenance via telomerase cellular response to ionizing radiation mRNA export from nucleus positive regulation of heterochromatin organization positive regulation of heterochromatin assembly positive regulation of heterochromatin assembly positive regulation of chromatin organization nucleobase—containing compound transport RNA 5'—end processing negative regulation of mRNA processing mitotic intra—S DNA damage checkpoint signaling microtubule depolymerization nucleus organization nucleus organization trophoblast giant cell differentiation positive regulation of histone methylation regulation of RNA splicing histone H2A acetylation positive regulation of G1/S transition of mitotic cell cycle - positive regulation of cell cycle checkpoint histone acetylation regulation of histone H3–K9 methylation -protein localization to chromosome, telomeric region negative regulation of telomere maintenance via telomere lengthening - cellular process involved in reproduction in multicellular organism exit from mitosis negative regulation of DNA binding dosage compensation by inactivation of X chromosome positive regulation of cell cycle G1/S phase transition microtubule polymerization or depolymerization establishment of protein localization to chromosome-protein methylation -protein alkylation -protein localization to microtubule organizing center -\*\*\*

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