ontology: BP axonogenesis regulation of cell morphogenesis establishment of organelle localization vesicle localization Golgi vesicle transportestablishment of vesicle localization establishment or maintenance of cell polarity axon development regulation of cell morphogenesis involved in differentiation dendritic spine development actin filament depolymerization Wnt signaling pathway cell-cell signaling by wnt proteasomal ubiquitin-independent protein catabolic process regulation of vascular endothelial growth factor production vascular endothelial growth factor production substantia nigra development negative regulation of smooth muscle cell proliferation collagen fibril organization collagen catabolic process neural nucleus developmentnegative regulation of ERK1 and ERK2 cascade regulation of cellular amino acid metabolic process antigen processing and presentation of exogenous peptide antigen via MHC class I, TAP-dependent-SCF-dependent proteasomal ubiquitin-dependent protein catabolic process regulation of cellular amine metabolic processantigen processing and presentation of exogenous peptide antigen via MHC class Iregulation of transcription from RNA polymerase II promoter in response to hypoxiaanaphase-promoting complex-dependent catabolic process midbrain developmentantigen processing and presentation of peptide antigen via MHC class I negative regulation of G2/M transition of mitotic cell cycleregulation of hematopoietic stem cell differentiationinterleukin-1-mediated signaling pathway collagen metabolic process stimulatory C-type lectin receptor signaling pathway hematopoietic stem cell differentiationnegative regulation of cell cycle G2/M phase transition innate immune response activating cell surface receptor signaling pathway regulation of hematopoietic progenitor cell differentiation-Wnt signaling pathway, planar cell polarity pathwayregulation of establishment of planar polarity cellular amine metabolic process regulation of transcription from RNA polymerase II promoter in response to stress NIK/NF-kappaB signalingregulation of smooth muscle cell proliferation establishment of planar polarity establishment of tissue polarityamine metabolic process regulation of DNA-templated transcription in response to stress Fc-epsilon receptor signaling pathway smooth muscle cell proliferationregulation of stem cell differentiationpositive regulation of canonical Wnt signaling pathway positive regulation of NF-kappaB transcription factor activitymorphogenesis of a polarized epithelium cellular response to interleukin-1 negative regulation of MAPK cascade regulation of mRNA stabilitynon-canonical Wnt signaling pathway lung developmentregulation of cellular ketone metabolic process tumor necrosis factor-mediated signaling pathwayrespiratory tube developmentregulation of RNA stabilitynegative regulation of canonical Wnt signaling pathwayantigen processing and presentation of exogenous peptide antigen positive regulation of Wnt signaling pathway antigen processing and presentation of exogenous antigen response to interleukin-1-GeneRatio regulation of morphogenesis of an epithelium regulation of mRNA catabolic process p.adjust muscle cell proliferationhematopoietic progenitor cell differentiation respiratory system developmentantigen processing and presentation of peptide antigen T cell receptor signaling pathway-Fc receptor signaling pathwaycellular response to hypoxia negative regulation of Wnt signaling pathway cellular response to decreased oxygen levelsregulation of G2/M transition of mitotic cell cycle skin developmentnegative regulation of cytokine production antigen processing and presentationcellular ketone metabolic process antigen receptor-mediated signaling pathway cellular response to oxygen levelsregulation of organ morphogenesis regulation of cell cycle G2/M phase transition protein processing negative regulation of mitotic cell cycle phase transition positive regulation of DNA binding transcription factor activity stem cell differentiation negative regulation of cell cycle phase transitioninnate immune response-activating signal transduction cellular response to tumor necrosis factor G2/M transition of mitotic cell cycle regulation of canonical Wnt signaling pathway regulation of ERK1 and ERK2 cascade activation of innate immune response response to tumor necrosis factorcell cycle G2/M phase transitionprotein deubiquitination regulation of inflammatory response ERK1 and ERK2 cascade regulation of mRNA metabolic process protein maturation protein modification by small protein removalnegative regulation of mitotic cell cycle protein polyubiquitination canonical Wnt signaling pathway positive regulation of innate immune response immune response-activating cell surface receptor signaling pathway extracellular matrix organization negative regulation of cell cycle process regulation of Wnt signaling pathway immune response-regulating cell surface receptor signaling pathway response to hypoxia response to decreased oxygen levels mRNA catabolic process extracellular structure organization cellular amino acid metabolic process regulation of innate immune response response to oxygen levels regulation of DNA binding transcription factor activity RNA catabolic process positive regulation of defense response spermatogenesis post-translational protein modification regulation of mitotic cell cycle phase transitionregulation of hemopoiesisnegative regulation of protein phosphorylation proteasome-mediated ubiquitin-dependent protein catabolic process male gamete generation regulation of cell cycle phase transition immune response-activating signal transductionnegative regulation of phosphorylationregulation of small molecule metabolic process proteasomal protein catabolic process immune response-regulating signaling pathway morphogenesis of an epithelium negative regulation of intracellular signal transductionactivation of immune response jxn exon tx (316)(102)(3)

ontology: MF			
actin binding-			
endopeptidase activity			
peptidase activity, acting on L-amino acid peptides-			
peptidase activity			
			p.adjust 0.025
threonine-type endopeptidase activity			0.020 0.015 0.010
			GeneRatio
threonine-type peptidase activity-			
NF-kappaB binding-			
metalloendopeptidase activity-			
metallopeptidase activity-			
	exon (303)	tx (3)	



