

**transmembrane receptor protein tyrosine kinase signaling pathway, GO:0007169**

- negative regulation of Ras protein signal transduction, GO:0046580
- transmembrane receptor protein tyrosine kinase activity, GO:0004714
- phosphatidylinositol-4, GO:0046934
- vasculogenesis, GO:0001570
- growth factor binding, GO:0019838
- peripheral nervous system development, GO:0007422
- cell-substrate adhesion, GO:0031589
- activation of phospholipase C activity, GO:0007202
- blood vessel morphogenesis, GO:0048514
- positive regulation of cellular component movement, GO:0051272
- positive regulation of peptidyl-serine phosphorylation of STAT protein, GO:0033141
- growth factor activity, GO:0008083
- negative regulation of cytokine production, GO:0001818
- negative regulation of B cell proliferation, GO:0030889
- transmembrane receptor protein tyrosine kinase adaptor activity, GO:0005068
- dermatan sulfate biosynthetic process, GO:0030208
- activation of transmembrane receptor protein tyrosine kinase activity, GO:0007171
- ephrin receptor activity, GO:0005003
- chondroitin sulfate catabolic process, GO:0030207
- insulin binding, GO:0043559
- heparin biosynthetic process, GO:0030210
- neurotrophin TRKA receptor binding, GO:0005168