

32-7455: Recombinant Human Tyrosine-Protein Kinase Receptor Tie-1/Tie-1 (C-6His)

Gene : TIE1
Gene ID : 7075
Uniprot ID : P35590

Description

Source: Human Cells.
MW :81kD.

Recombinant Human Tie-1 is produced by our Mammalian expression system and the target gene encoding Ala22-Gln760 is expressed with a 6His tag at the C-terminus. TIE-1 (Tyrosine Kinase with Ig and EGF Homology domains 1) and TIE-2/Tek comprise a receptor tyrosine kinase (RTK) subfamily. These receptors are expressed on endothelial and hematopoietic progenitor cells and play critical roles in angiogenesis, vasculogenesis and hematopoiesis. Human TIE-1 cDNA encodes a 1124 amino acid (aa) residue precursor protein with an 18aa signal peptide, a 727 aa extracellular domain and a 354 aa cytoplasmic domain. so far, two ligands have been described for TIE-2 [angiopoietin-1 (Ang1) and angiopoietin-2 (Ang2)], but no ligand was found for TIE-1.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, pH 5.5.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : AVDLTLLANLRLTDPQRFFLTVCVSGEAGAGRGS DAWGPPLLEKDDRIVRTPPGPPLRLARNGSHQVTLRGFSK
PSDLVGVFSCVGGAGARRTRVIYVHNSP GAHLLPDKVTHTVNKGDTAVLSARVHKEKQTDVIWKSNGSYFYTL
DWHEAQDGRFLLQLPNVQPPSSGIYSATYLEASPLGSAFFRLIVRGCGAGR WGP GCTKECPGCLHGGVCHDH
DGECVCPGFTGTRCEQACREGRFQSQCEQCPGISGCRGLTFCLPDPYGCSCGSGWRGSQCQEACAPGHF
GADCRLQCQCQNGGTCDRFSGCVCPSGWHGVHCEKSDRIPQILNMASELEFNLETMPRINCAAAGNPPFVRG
SIELRKP DGTVLLSTKAIVEPEKTTAEFEV PRLVLADSGFWE CRVSTSGGQDSRRFKVNVKVPVPLAAPRLTK
QSRQLVVSPLVSFSGDGPSTVRLHYRPQDSTMDWSTIVDPSENVTLMNLRPKTGYSVRVQLSRPEGEGEGA
WGPPTLMTTDCPEPLLQPWLEGWHVEGTDRLRVSWSLPLVPGPLVGDGFLRLWDGTRGQERRENVSSPQA
RTALLTGLTPGTHYQLDVQLYHCTLLGPASP PAHVLLPPSGPPAPRHLHAQALSDSEIQLTWKHPEALPGPI SKY
VVEVQVAGGAGDPLWIDVDRPEETSTIIRGLNASTRYLFRMRASIQGLGDWSNTVEESTLGNGLQAEGPVQES
RAAEGLDQQVDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.