

## 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 :** AVDLTLLANLRLTDPQRFFLTCVSGEAGAGRGSDAWGPPLLEKDDRIVRTPPGPPLRLARNGSH QVTLRGFSKPSDLVGVFSCVGGAGARRTRVIYVHNSPGAHLLPKVTHTVKNKGD TAVLSARVHKE KQTDVIWKSNGSYFYTLDWHEAQDGRFLLQLPNVQPPSSGIYSATYLEASPLGSAFFRLIVRGCGA GRWGPCTKECPGCLHGGVCHDHDGECVCPGFTGTRCEQACREGRFGQSCQEQCPCGISGCR GLTFCLPDYPYGCSCGSGWRGSGCQEQEACAPGHFGADCRLQCQCQNGGTCDRFSGCVCPGSGWH GVHCEKSDRIPQILNMASELEFNLETMPRINCAAAGNPFVVRGSIELRKP DGTVLLSTKAIVEPEKTT AEFEVPRVLVADSGFWECRVSTSGGQDSRRFKVNVKVPVPLAAPRLTKQSRQLVVSPLVSFSG DGPISTVRLHYRPQDSTMDWSTIVVDPSENVTLMNLRPKTGYSVRVQLSRPGEGGEGAWGPPTL MTTDCPEPLLQPWLEGWHVEGTDRLRVSWSLPLVPGPLVGDGFLRLWDGTRGQERRENVSSP QARTALLTGLTPGTHYQLDVQLYHCTLLGPASPPAHVLLPPSGPPAPRHLHAQALSDSEIQLTWKH PEALPGPISKYVVEVQVAGGAGDPLWIDVDRPEETSTIIRGLNASTRYLFRMRASIQGLGDWSNTV EESTLGNGLQAEQPVQESRAAEEGLDQQVDHHHHHH

### 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 ddH<sub>2</sub>O. 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.