
Recombinant Human Tyrosine-Protein Kinase Receptor Tie-1/Tie-1 Protein(C-6His)**Cat.NO.: TP05344**

3th Edition

Synonyms:Tyrosine-Protein Kinase Receptor Tie-1; TIE1; TIE**Description:**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.**Form:**PBS**Molecular Weight:**81.0 kDa**Sequences:**Ala22-Gln760**Purity:**> 95% by HPLC**Concentration:****Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.