Product Name: Recombinant Human Tie-1 (C-6His)
Catalog #: PHH1754

Summary

Name	Tyrosine-protein kinase receptor Tie-1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Tyrosine Kinase With Immunoglobulin And Epidermal Growth Factor Homology Domains 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.
Accession #	P35590
Host	Human Cells
Species	Human
Predicted Molecular Mass	81 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 500mM NaCl, 10% Sucrose, pH8.2.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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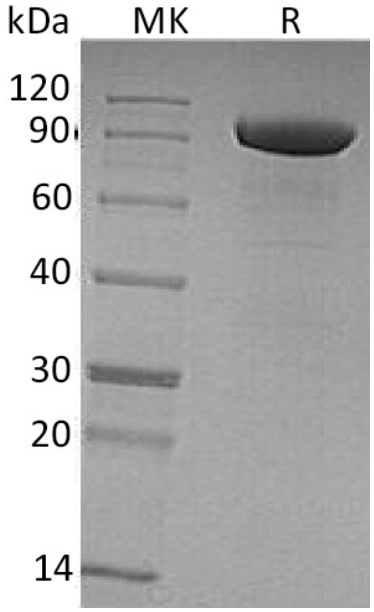

Alternative Names

Tyrosine-Protein Kinase Receptor Tie-1; TIE1; TIE

Background

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.

Note

For Research Use Only , Not for Diagnostic Use.