



Recombinant Protein Technical Manual

Recombinant Human Tie1 Protein (His Tag)

RPES1783

Product Data:

Product SKU: RPES1783

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P35590

Protein Information:

Molecular Mass: 81.0 kDa

AP Molecular Mass: 87 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, pH 5.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Tyrosine-Protein Kinase Receptor Tie; TIE1; TIE

Immunogen Information:

Sequence: Ala22-Gln760

Background:

TIE (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 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 (Ang1) and angiopoietin-2 (Ang2)], but no ligand was found for TIE.