

## HUMAN TIE2 PROTEIN, HFC TAG

**Cat.#:** 11747

**Product Name:** Human TIE2 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** CD202B;GLC3E;TIE-2;TIE2;VMCM;VMCM1

**Target:** TIE2

**UNIPROT ID:** Q02763

**Description:** Recombinant human TIE2 protein with C-terminal human Fc tag

**Background:** This gene encodes a receptor that belongs to the protein tyrosine kinase Tie2 family. The encoded protein possesses a unique extracellular region that contains two immunoglobulin-like domains, three epidermal growth factor (EGF)-like domains and three fibronectin type III repeats. The ligand angiopoietin-1 binds to this receptor and mediates a signaling pathway that functions in embryonic vascular development. Mutations in this gene are associated with inherited venous malformations of the skin and mucous membranes. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Feb 2014]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 105.38 kDa after removal of the signal peptide.

**Molecular Characterization:** TIE2 (Trp23-Leu748) hFc(Glu99-ALA330)

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.