PRODUCT INFORMATION

Target	TIE2
Synonyms	CD202B;GLC3E;TIE-2;TIE2;VMCM;VMCM1
Description	Recombinant human TIE2 protein with C-terminal human Fc tag
Delivery	Under development
Uniprot ID	Q02763
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	TIE2 (Trp23-Leu748) hFc(Glu99-ALA330)
Molecular Weight	The protein has a predicted molecular mass of 105.38 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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.
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]
Usage	Research use only
Conjugate	Unconjugated

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