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Product datasheet for DA3537

TIE1 (Fc Chimera) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	TIE1 (Fc Chimera) human recombinant protein, 20 µg
Species:	Human
Expression Host:	Insect
Predicted MW:	250 kDa
Purity:	>90% by SDS-PAGE and visualised by silver stain.
Buffer:	Presentation State: Purified State: Lyophilized purified protein. Buffer System: PBS without stabilizers.
Bioactivity:	Biological: Since a ligand for TIE-1 has not yet been identified, the recombinant protein was not tested for biological activity.
Endotoxin:	< 0.1 ng per µg of sTIE-1/Fc
Reconstitution Method:	Restore in PBS or medium to a concentration not lower than 50 µg/ml. The lyophilised sTIE-1/Fc is soluble in water and most aqueous buffers.
Preparation:	Lyophilized purified protein.
Protein Description:	Recombinant Human soluble TIE-1 was fused with the Fc part of Human IgG1. The soluble receptor protein consists of the full extracellular domain (Met1-Glu749). The recombinant mature TIE-1/Fc is a disulfide-linked homodimeric protein. Human TIE-1/Fc monomer has a calculated molecular mass of approximately 105 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 125 kDa protein in SDS-PAGE under reducing conditions.
Storage:	Store Lyophilized at -20°C. Reconstituted sTIE-1/Fc should be stored in working aliquots at -20°C to -70°C. Avoid repeated freeze-thaw cycles!
Stability:	Shelf life: One year from despatch.
RefSeq:	NP_001240286
Locus ID:	7075
UniProt ID:	B4DTW8

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Cytogenetics:	1p34.2
Synonyms:	TIE, Tie-1
Summary:	This gene encodes a member of the tyrosine protein kinase family. The encoded protein plays a critical role in angiogenesis and blood vessel stability by inhibiting angiopoietin 1 signaling through the endothelial receptor tyrosine kinase Tie2. Ectodomain cleavage of the encoded protein relieves inhibition of Tie2 and is mediated by multiple factors including vascular endothelial growth factor. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane