

Recombinant Human TIE1 protein, His & T7-tagged

Cat. No. TIE1-533H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TIE1 aa. (Thr701~Pro898 (Accession # P35590)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr701~Pro898
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.7kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.6.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

Gene Name	TIE1 tyrosine kinase with immunoglobulin like and EGF like domains 1 [Homo sapiens (human)]
Official Symbol	TIE1
Synonyms	TIE1; tyrosine kinase with immunoglobulin like and EGF like domains 1; TIE; JTK14; tyrosine-protein kinase receptor Tie-1; tyrosine kinase with immunoglobulin and epidermal growth factor homology domains 1
Gene ID	7075
mRNA Refseq	NM_005424.4

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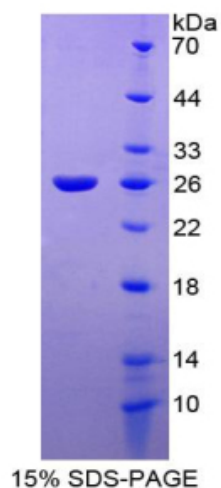
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Protein Refseq NP_005415.1

UniProt ID P35590

SDS-PAGE



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