

Datasheet for ABIN1589958
TIE1 Protein (Soluble) (His tag)



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Overview

Quantity:	10 µg
Target:	TIE1
Protein Characteristics:	Soluble
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIE1 protein is labelled with His tag.

Product Details

Sequence: SVDLTLANL RITDPQRFFL TCVSGEAGAG RSSDPPLLE KDDRIVRTPF PGQPLYLARN
GSHQVTLRGF SKPSDLVGVF SCVGGAGARR TRVLYVHNSP GAHLFPDKVT HTVNBKGDVAV
LSAHVHKEKQ TDVIWKNNGS YFNTLDWQEA DDGRFQLQLQ NVQPSSGIY SATYLEASPL
GSAFFRLIVR GCGAGRWGPG CVKDCPGCLH GGVCHDHDGE CVCPPGFTGT RCEQACREGR
FGQSCQEQCP GTAGCRGLTF CLPDPYGCSC GSGWRGSQCQ EACAPDHFGA DCRLQCQCQN
GGTCDRFSGC VCPSGWHGVH CEKSDRIPQI LSMATEVEFN IGTMPRINCA AAGNPFVVRG
SMKLRKPDGT MLLSTKVIVE PDRTTAEFEV PSLTLGDSGF WECRVSTSGG QDSRRFKVNV
KVPPVPLTAP RLLAKQSRQL VVSPVVSFSG DGPISSVRLH YRPQDSTIAW SAIIVDPSEN
VTLMNLKPKT GYNVRVQLSR PGEKGEGGWG PSALMTTDCP EPLLQPWLES WHVEGPDRLR
VSWSLPSVPL SGDGFLLRLW DGARGQERRE NISFPQARTA LLTGLTPGTH YQLDVRLYHC
TLLGPASPPA HVHLPPSGPP APRHLHAQAL SDSEIQLMWQ HPEAPSGPIS KYIVEIQVAG
GSGDPQWMDV DRPEETSIV RGLNASTRYL FRVRASVQGL GDWSNTVEEA TLGNGLQSED
PVRESRATRH HHHHH

Product Details

Characteristics: Length (AA): 735
Chromosomal location: 4 D2.1, 4 50.0 cM

Target Details

Target: TIE1

Alternative Name: TIE-1 ([TIE1 Products](#))

Background: Recombinant mouse soluble TIE-1 was fused with a 6x His-tag at the C-terminus. The soluble receptor protein consists of the full extracellular domain (Ser22-Ala748). Mouse sTIE-1 monomer has a calculated molecular mass of approximately 79,8 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 95 kDa protein in SDS-PAGE under reducing conditions. TIE-1 (tyrosine kinase with Ig and EGF homology domains 1) and TIE-2/Tek comprise a receptor tyrosine kinase (RTK) subfamily with unique structural characteristics: two immunoglobulin-like domains flanking three epidermal growth factor (EGF)-like domains and followed by three fibronectin type III-like repeats in the extracellular region and a split tyrosine kinase domain in the cytoplasmic region. These receptors are expressed primarily on endothelial and hematopoietic progenitor cells and play critical roles in angiogenesis, vasculogenesis and hematopoiesis.

Synonyms: Tie1, TIE, tie-1, D430008P04Rik

NCBI Accession: [NP_035717](#), [NM_011587](#)

UniProt: [Q06806](#)

Pathways: [RTK Signaling](#)

Application Details

Comment: Soluble Receptors

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: The lyophilized sTIE-1-His is soluble in water and most aqueous buffers and should be reconstituted in PBS to a concentration not lower than 50 µg/mL.

Buffer: PBS

Handling

Storage: -20 °C/-80 °C

Storage Comment: Lyophilized samples are stable for greater than six months at -20 °C to -70 °C. Reconstituted sTIE-1-His should be stored in working aliquots at -20 °C.

Expiry Date: 6 months