

Datasheet for ABIN1589754  
**TEK Protein (Soluble) (His tag)**



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## Overview

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

## Product Details

Purpose:	TIE-2, soluble
Sequence:	AMDILILNSL PLVSDAETLT CIASGWHPE PITIGRDFEA LMNQHQDPLE VTQDVTREWA KKVVWKREKA SKINGAYCEG RVRGQAIRIR TMKMRQQASF LPATLTMTVD RGDNVNISFK KVLKEEDAV IYKNGSIHSV PRHEVPDILE VHLPHAQPQD AGVYSARYIG GNLFTSAFTR LIVRRCEAQK WGPDCRPCTT CKNNGVCHED TGECICPPGF MGRTCEKACE PHTFGRTCKE RCSGPEGCKS YVFCPPYGC SCATGWRGLQ CNEACPSGYY GPDCKLRCHC TNEEICDRFQ GCLCSQGWQG LQCKEGRPRM TPQIEDLPDH IEVNSGKFNP ICKASGWPLP TSEEMTLVKP DGTVLQPNDF NYDRFSVAIF TVNRVLPDSD GVVVCSVNTV AGMVEKPFNI SVKVLPEPLH APNVIDTGHN FIINISSEPY FGDGPIKSKK LFYKPVNQAW KYIEVTNEIF TLNYLEPRTD YELCVQLARP EGGEGHPGPV RRFTTASIGL PPPRGLSLLP KSQTALNLTW QPIFTNSEDE FYVEVERRSQ TTSDQQNIKV PGNLTSVLLS NLVPREQYTV RARVNTKAQG EWSEELRAWT LSDILPPQEN IKISNITDST AMVSWTIVDG YSISSIIIRY KVQGKNEDQH IDVKIKNATV TQYQLKGEPE TTYHVDIFAE NNIGSSNPAF SHELRTLPHS PASATRHHHH HH

## Product Details

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Specificity: Chromosomal location:4 C5, 4 43.34 cM

Characteristics: Length (aa):712

Purity: > 95 % by SDS-PAGE

## Target Details

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Target: TEK

Alternative Name: TIE-2 ([TEK Products](#))

Background: Recombinant mouse soluble TIE-2 was fused with a 6x His-tag at the C-terminus. The soluble receptor protein consists of the full extracellular domain (Ala23-Ala737). Mouse sTIE-2 monomer has a calculated molecular mass of approximately 79,86 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: Angiotensin-1 receptor, Endothelial tyrosine kinase, HYK, STK1, Tunica interna endothelial cell kinase, Tyrosine kinase with Ig and EGF homology domains-2, Tyrosine-protein kinase receptor TEK, Tyrosine-protein kinase receptor TIE-2, p140 TEK, CD202b, Tek, Hyk, Tie2, AA517024

Gene ID: 21687

NCBI Accession: [NM\\_013690](#), [NP\\_038718](#)

UniProt: [Q02858](#)

Pathways: [RTK Signaling](#), [Growth Factor Binding](#)

## Application Details

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Comment: Soluble Receptors

Restrictions: For Research Use only

## Handling

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Format:	Lyophilized
Reconstitution:	Centrifuge vial prior to opening. The lyophilized sTIE-2-His is soluble in water and most aqueous buffers and should be reconstituted in PBS or medium to a concentration not lower than 50 $\mu$ g/mL.
Buffer:	PBS
Storage:	-20 °C,-80 °C
Storage Comment:	Lyophilized samples are stable for greater than six months at -20°C to -70°C. Reconstituted sTIE-2-His should be stored in working aliquots at -20°C.
Expiry Date:	6 months