Datasheet for ABIN7320054

TEK Protein (AA 770-1122) (GST tag,His tag)

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1 Image

Overview

Quantity:	50 µg
Target:	TEK
Protein Characteristics:	AA 770-1122
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TEK protein is labelled with GST tag,His tag.

Product Details

Purpose:	Recombinant Mouse Tie2/CD202b Protein (aa 770-1122, His & GST Tag)(Active)
Sequence:	Gln770-Ala1122
Characteristics:	A DNA sequence encoding the mouse TEK (Q02858) (Gln770-Ala1122) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 91 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	1. No Kinase Activity2. Measured by its binding ability in a functional ELISA. Immobilized mouse TEK (aa 770-1122) at 2 µg/ml (100 µl/well) can bind human Ang2-Fc with a linear range of 0.25-2.0 µg/ml.

Target Details

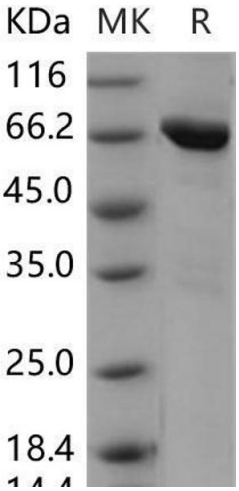
Target:	TEK
Alternative Name:	Tie2/CD202b (TEK Products)
Background:	Background: TEK, or TIE-2, is an endothelial cell-specific receptor tyrosine kinase (RTK) that is known as a functioning molecule of vascular endothelial cells. TEK comprises a subfamily of RTK with TIE, and these two receptors play critical roles in vascular maturation, maintenance of integrity and remodeling. Targeted mutagenesis of both Tek and its agonistic ligand, Angiopoietin-1, result in embryonic lethality, demonstrating that the signal transduction pathways mediated by this receptor are crucial for normal embryonic development. TEK signaling is indispensable for the development of the embryonic vasculature and suggests that TEK signaling may also be required for the development of the tumor vasculature. Synonym: AA517024,Cd202b,Hyk,STK1,Tie-2,Tie2
Molecular Weight:	68.2kDa
UniProt:	Q02858
Pathways:	RTK Signaling, Growth Factor Binding

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.0, 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting
Image 1.

