Datasheet for ABIN7321227

TEK Protein (Fc Tag)

1 Image

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Overview

Quantity:	200 µg
Target:	TEK
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TEK protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Rat Tie2/TEK Protein (Fc Tag)(Active)
Sequence:	Met 4-Leu 743
Characteristics:	A DNA sequence encoding the rat TEK (NP_001099207.1) extracellular domain (Met 4-Leu 743) was fused with the Fc region of human IgG1 at the C-terminus.
Purity:	> 95 % 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. Measured by its binding ability in a functional ELISA.2. Immobilized S1h-3C-mANGPT2 at 10 µg/mL (100 µL/well) can bind ratTEK-Fc.The EC50 of ratTEK-Fc is 0.26-0.62µg/mL.

Target Details

Target:	TEK

Target Details

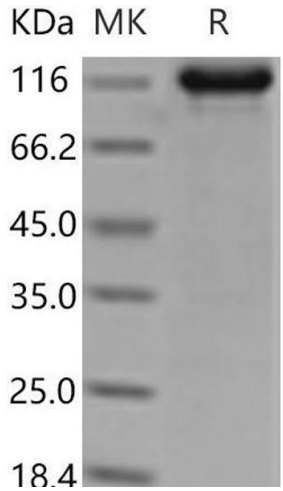
Alternative Name:	Tie2/TEK (TEK Products)
Background:	Background: TEK, or TIE-2, is an endothelial cell-specific receptor tyrosine kinase (RTK) that is known as a functioning molecule of vascular endothelial cells. TEK comprises a subfamily of RTK with TIE, and these two receptors play critical roles 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: Tie-2,Tie2
Molecular Weight:	108 kDa
NCBI Accession:	NP_001099207
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 PBS, pH 7.4
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.