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Datasheet for ABIN7320055

TEK Protein (His tag)

1 Image

Overview

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

Product Details

Purpose:	Recombinant Mouse Tie2/CD202b Protein (His Tag)(Active)
Sequence:	Met1-Lys744
Characteristics:	A DNA sequence encoding the mouse TEK (Q02858) (Met1-Lys744) was expressed with a C-terminal polyhistidine tag.
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:	Measured by its binding ability in a functional ELISA. Immobilized mouse TEK-His at 10 µg/ml (100 µl/well) can bind human Ang2-Fc with a linear range of 6.25-200 ng/ml.

Target Details

Target:	TEK
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Target Details

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: 82.4 kDa

UniProt: [Q02858](#)

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

Application Details

Restrictions: For Research Use only

Handling

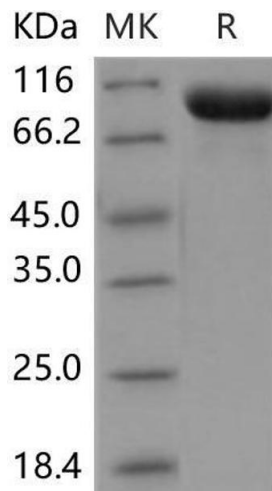
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 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.