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Datasheet for ABIN7317790
TEK Protein (GST tag,His tag)

Overview

Quantity:	50 µg
Target:	TEK
Origin:	Human
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 Human Tie2/CD202b Protein (His & GST Tag)(Active)
Sequence:	Gln771-Ala1124
Characteristics:	A DNA sequence encoding the human TEK (NP_000450) (Gln771-Ala1124) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 92 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	1.No Kinase Activity.2.Measured by its binding ability in a functional ELISA. Immobilized human TEK (aa 771-1124) at 2 µg/ml (100 µl/well) can bind human Ang2-Fc with a linear range of 0.31-20 µg/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: CD202B,TIE-2,TIE2,VMCM,VMCM1

Molecular Weight: 68.3 kDa

NCBI Accession: [NP_000450](#)

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.