

## Active Recombinant Human TEK protein, His&hFc-tagged

Cat. No. TEK-2653H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TEK protein(AAA61139.1)(Met1-Lys745), fused with His and hFc tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Lys745
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized recombinant human Angiopoietin-2 at 10 µg/ml (100 µl/well) can bind Human Tie2 / CD202b Protein (ECD, His & Fc Tag) with a range of 0.2-20 µg/ml.
<b>Molecular Mass</b>	The recombinant human Tie2/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 970 amino acids and predicts a molecular mass of 108.5 kDa. As a result of glycosylation, the apparent molecular mass of rhTie2/Fc monomer is approximately 130.7 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 90 % as determined by SDS-PAGE

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**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C  
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [TEK TEK tyrosine kinase, endothelial \[ Homo sapiens \]](#)

**Official Symbol** [TEK](#)

**Synonyms** TEK; TEK tyrosine kinase, endothelial; venous malformations, multiple cutaneous and mucosal , VMCM; angiopoietin-1 receptor; CD202b; TIE 2; TIE2; VMCM1; hTIE2; p140 TEK; soluble TIE2 variant 1; soluble TIE2 variant 2; endothelial tyrosine kinase; tyrosine-protein kinase receptor TEK; tunica interna endothelial cell kinase; tyrosine-protein kinase receptor TIE-2; tyrosine kinase with Ig and EGF homology domains-2; VMCM; TIE-2; CD202B;

**Gene ID** [7010](#)

**mRNA Refseq** [NM\\_000459](#)

**Protein Refseq** [NP\\_000450](#)

**MIM** [600221](#)

**UniProt ID** [Q02763](#)

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