

Active Recombinant Human TEK protein, His-tagged

Cat. No. TEK-154H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TEK protein(Met 1-Lys 745)(NP_000450.2) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-745 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant human Tie2 at 2 µg/ml (100 µl/well) can bind human Angiopoietin-2 at a linear range of 1.28-160 ng/ml.
Molecular Mass	The recombinant human Tie2 comprises 734 amino acids and predicts a molecular mass of 82 kDa. As a result of glycosylation, the apparent molecular mass of rhTie2 is approximately 95-105 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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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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