

Active Recombinant Human TEK protein, Fc-His-tagged

Cat. No. TEK-153H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TEK protein(NP_000450.2)(Ala23-Lys745) is expressed in HEK293, fused with an Fc, 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	23-745 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized Human ANGPT2 at 1 µg/mL (100 µL/well) can bind Human Tie2 with a linear range of 3.98-467.9 ng/mL. 2. Measured by its binding ability in a functional ELISA. Immobilized PE anti-human CD202b (Tie2/Tek) Antibody at 1µg/mL (25 µL/well) can bind Human CD202b (Tie2/Tek) with a linear range of 0.46-33.95 ng/mL.
Molecular Mass	107.41 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the

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date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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](#)

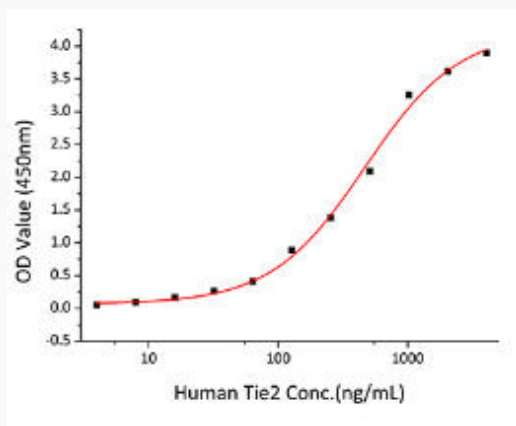
UniProt ID [Q02763](#)

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Activity



SDS-PAGE

