

Recombinant Human TEK Protein (23-745), His tagged

Cat. No. TEK-6408H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human TEK (23-745) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	23-745
Description	Tyrosine-protein kinase that acts as cell-surface receptor for ANGPT1, ANGPT2 and ANGPT4 and regulates angiogenesis, endothelial cell survival, proliferation, migration, adhesion and cell spreading, reorganization of the actin cytoskeleton, but also maintenance of vascular quiescence. Has anti-inflammatory effects by preventing the leakage of proinflammatory plasma proteins and leukocytes from blood vessels. Required for normal angiogenesis and heart development during embryogenesis. Required for post-natal hematopoiesis.
Form	Lyophilized powder/frozen liquid
Molecular Mass	76.9 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8

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centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.

Storage Buffer Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.

Reconstitution Reconstitute in sterile water for a stock solution.

Shipping They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

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

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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