

Active Recombinant Mouse Tek Protein, Fc-tagged

Cat. No. Tek-959M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Tek (NP_038718.2) (Met1-Lys744) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-744 a.a.
Predicted N Terminal	Val 19
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	1. Measured by its binding ability in a functional ELISA. 2. Immobilized mouse ANGPT2 at 10 µg/mL (100 µL/well) can bind mouse TEK-Fc. The EC50 of mouse TEK-Fc is 0.58-1.34 µg/mL.
Molecular Mass	The recombinant mouse Tek consists 964 amino acids and predicts a molecular mass of 107.7 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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Storage	Store it under sterile conditions at -20°C~-70°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 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	Tek endothelial-specific receptor tyrosine kinase [<i>Mus musculus</i>]
Official Symbol	Tek
Synonyms	TEK; endothelial-specific receptor tyrosine kinase; angiopoietin-1 receptor; STK1; mTIE2; p140 TEK; endothelial tyrosine kinase; tyrosine-protein kinase receptor TEK; tunica interna endothelial cell kinase; tyrosine-protein kinase receptor TIE-2; tyrosine
Gene ID	21687
mRNA Refseq	NM_013690
Protein Refseq	NP_038718
MIM	
UniProt ID	
Pathway	Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Rheumatoid arthritis, organism-specific biosystem; Rheumatoid arthritis, conserved biosystem; Tie2 Signaling, organism-specific biosystem
Function	ATP binding; growth factor binding; kinase activity; nucleotide binding; protein

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binding; protein kinase activity; protein tyrosine kinase activity; protein tyrosine kinase activity; receptor activity; transferase activity; transferase activity, transferr

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