

## Active Recombinant Mouse Tek protein(Gln770-Ala1122), His&GST-tagged

Cat. No. Tek-7419M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse TEK (Q02858) (Gln770-Ala1122) was expressed in Insect Cells, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
<b>Species</b>	Mouse
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	Gln770-Ala1122
<b>Form</b>	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 10% gly Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	1. Measured by its binding ability in a functional ELISA. Immobilized mouse TEK (aa 770-1122) at 2 µg/ml (100 µl/well) can bind human Ang2-Fc with a linear range of 0.25-2.0 µg/ml.
<b>Molecular Mass</b>	The recombinant mouse TEK/GST chimera consists of 590 amino acids and has a calculated molecular mass of 68.2kDa. The recombinant protein migrates as an approximately 68 kDa band 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>	> 91 % 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 endothelial-specific receptor tyrosine kinase [ *Mus musculus* ]

**Official Symbol** Tek

**Synonyms** TEK; endothelial-specific receptor tyrosine kinase; angiotensin-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 kinase with Ig and EGF homology domains-2; Hyk; Tie2; tie-2; Cd202b; AA517024;

**Gene ID** 21687

**mRNA Refseq** NM\_013690

**Protein Refseq** NP\_038718

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