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

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

SPECIFICATION

Product Overview	Recombinant Mouse TEK (Q02858) (Gln770-Ala1122) was expressed in Insect Cells, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Mouse
Source	Insect Cells
ProteinLength	Gln770-Ala1122
Form	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.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 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; 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 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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