

Recombinant Rat Tek protein(Met4-Leu743), hFc-tagged

Cat. No. Tek-1360R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat TEK (NP_001099207.1)(Met 4-Leu 743) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	4-743 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. 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. 2. Immobilized S1h-3C-mANGPT2 at 10 µg/mL (100 µL/well) can bind ratTEK-Fc. The EC50 of ratTEK-Fc is 0.26-0.62µg/mL.
Molecular Mass	The recombinant rat TEK/Fc is a disulfide-linked homodimer. The reduced monomer comprises 962 amino acids and predicts a molecular mass of 108 kDa. The apparent molecular mass of the rat TEK/Fc monomer is approximately 120-130 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % 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 TEK tyrosine kinase, endothelial [*Rattus norvegicus*]

Official Symbol Tek

Synonyms TEK; TEK tyrosine kinase, endothelial; angiopoietin-1 receptor; endothelial-specific receptor tyrosine kinase; tyrosine kinases that contain immunoglobulin-like loops and epidermal growth factor-similar domains 2; Tie2; Tie-2;

Gene ID 89804

mRNA Refseq NM_001105737

Protein Refseq NP_001099207

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