

Active Recombinant Human MERTK protein, Fc-tagged

Cat. No. MERTK-150H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MERTK(Arg26 - Ala499) fused with Fc of Human IgG1 at C-terminal was expressed in Mouse NS0 Cells.
Species	Human
Source	Insect Cells
ProteinLength	26-499 a.a.
Predicted N Terminal	Arg26
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized rhMer/Fc Chimera at 10 µg/mL (100 µL/well) can bind rhGas6 with a linear range of 0.03-1 µg/mL.
Molecular Mass	Predicted Molecular Mass: 78.9 (monomer) kDa; SDS-PAGE: 100-110 kDa, reducing conditions.
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied.

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1 month, 2 to 8 centigrade under sterile conditions after reconstitution.
3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 100 µg/mL in sterile PBS.

GENE INFORMATION

Gene Name MERTK c-mer proto-oncogene tyrosine kinase [Homo sapiens]

Official Symbol MERTK

Synonyms MERTK; c-mer proto-oncogene tyrosine kinase; tyrosine-protein kinase Mer; mer; RP38; STK kinase; proto-oncogene c-Mer; MER receptor tyrosine kinase; receptor tyrosine kinase MerTK; MER; c-mer; MGC133349;

Gene ID 10461

mRNA Refseq NM_006343

Protein Refseq NP_006334

MIM 604705

UniProt ID Q12866

Chromosome Location 2q14.1

Pathway Cell surface interactions at the vascular wall, organism-specific biosystem;
Hemostasis, organism-specific biosystem;

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Function

ATP binding; nucleotide binding; receptor activity; transmembrane receptor protein
tyrosine kinase activity;

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