

# Recombinant Human MERTK protein

**Cat. No.** MERTK-148H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human MERTK(Met 1-Ala 499) fused with five amino acids (DDDDK) at the C-terminus was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met 1-Ala 499
<b>Predicted N Terminal</b>	Ala 21
<b>Form</b>	Lyophilized from sterile 100mM NaCl, 50mM Tris, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant human Mer consists of 485 amino acids and predicts a molecular mass of 54 kDa. As a result of glycosylation, the rhMer migrates as approximately 110-120 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>	> 85 % as determined by SDS-PAGE
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70 centigrade

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1/3

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<b>Storage</b>	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
<b>Shipping</b>	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

## GENE INFORMATION

<b>Gene Name</b>	MERTK c-mer proto-oncogene tyrosine kinase [ Homo sapiens ]
<b>Official Symbol</b>	MERTK
<b>Synonyms</b>	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;
<b>Gene ID</b>	10461
<b>mRNA Refseq</b>	NM_006343
<b>Protein Refseq</b>	NP_006334
<b>MIM</b>	604705
<b>UniProt ID</b>	Q12866

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2/3

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<b>Chromosome Location</b>	2q14.1
<b>Pathway</b>	Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem;
<b>Function</b>	ATP binding; nucleotide binding; receptor activity; transmembrane receptor protein tyrosine kinase activity;