Recombinant Human MERTK protein

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

SPECIFICATION

Product Overview	Recombinant Human MERTK(Met 1-Ala 499) fused with five amino acids (DDDDK) at the C-terminus was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met 1-Ala 499
Predicted N Terminal	Ala 21
Form	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 85 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade

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Storage	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.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Shipping	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

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

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

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