

Recombinant Human MERTK, GST-tagged, Active

Cat. No. MERTK-258H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human c-MER (578-872) was expressed by baculovirus in <i>Sf9</i> insect cell/susing an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	578-872 a.a.
Description	c-MER is a tyrosine kinase and a member of the MER/AXL/TYRO3 receptor kinase family. The c-MER gene encodes a transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type domains, and one tyrosine kinase domain. Functional knockout of c-MER in mice shows the mice to have macrophages deficient in the clearance of apoptotic thymocytes thereby demonstrating the critical role for c-MER in the engulfment and efficient clearance of apoptotic cells. Defects in c-MER have been associated with retinitis pigmentosa, a phenotype that can be reversed by replacement of the c-MER gene product.
Sequence	578-872.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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GENE INFORMATION

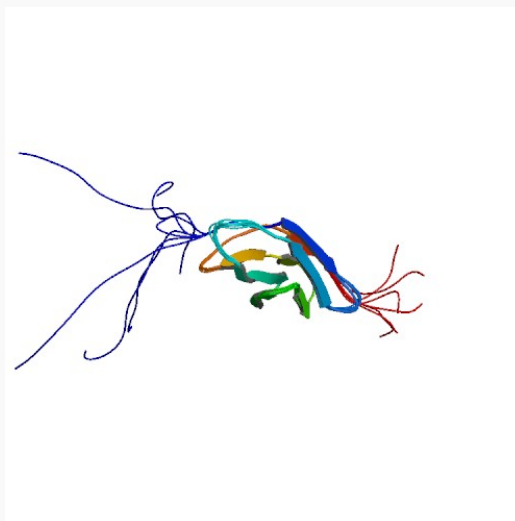
Gene Name	MERTK c-mer proto-oncogene tyrosine kinase [Homo sapiens]
Synonyms	MERTK; c-mer proto-oncogene tyrosine kinase; MER; RP38; c-mer; MGC133349; MER receptor tyrosine kinase; STK kinase; EC 2.7.10.1; Receptor tyrosine kinase MerTK; Proto-oncogene tyrosine-protein kinase MER
Gene ID	10461
mRNA Refseq	NM_006343
Protein Refseq	NP_006334
MIM	604705
UniProt ID	Q12866
Chromosome Location	2q14.1
Pathway	Hemostasis; Signaling in Immune system
Function	ATP binding; nucleotide binding; protein binding; receptor activity; transferase activity; transmembrane receptor protein tyrosine kinase activity

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