c-MER recombinant protein

c-MER, Active

CATALOG #	HOST	APPLICATIONS
AAA73689	**Sf9 insect cells**	**Western Blot**

PRODUCT SYNONYMS

c-MER; Active; MER; MERTK; MGC133349; c-MER recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for c-MER recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES

SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

Activity
Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for c-MER recombinant protein	Recombinant human c-MER (578-872) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_006343. c-MER is a tyrosine kinase and a member of the MER/AXL/TYRO3 receptor kinase family (1). 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 (2).
Product Categories/Family for c-MER recombinant protein	Protein Kinases; Cardiovascular Disease; Inflammation; Receptor Tyrosine Kinases
References	1. Graham, D. K. et al: Cloning and mRNA expression analysis of a novel human protooncogene, c-mer. Cell Growth Differ. 5: 647-657, 1994. 2. Gal, A. et al: Mutations in MERTK, the human orthologue of the RCS rat retinal dystrophy gene, cause retinitis pigmentosa. Nature Genet. 26: 270-271, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_006343
Molecular Weight	~58kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/c-mer-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73689