c-MER (A708S) Recombinant Protein | c-MER recombinant protein

c-MER (A708S), Active

CATALOG #	HOST	APPLICATIONS
AAA73690	**Sf9 insect cells**	**Kinase Assay**

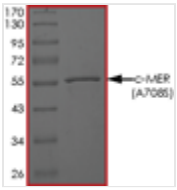
PRODUCT SYNONYMS

c-MER (A708S); Active; MERTK; c-MER recombinant protein

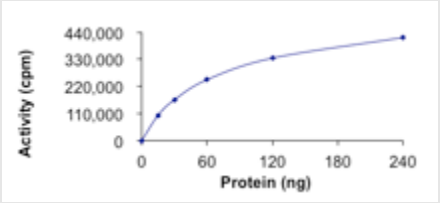
PRODUCT SPECIFICATIONS

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	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 (A708S)(578-872) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The c-MER gene accession number is NM_006343. c-MER is a member of the TYRO3/AXL/MER (TAM) receptor kinase family which encodes a transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type (immunoglobulin-like) domains, and one tyrosine kinase domain. Cytokine-dependent activation of TAM signaling diverts a proinflammatory pathway to provide an intrinsic feedback inhibitor of both TLR-and cytokine-driven immune responses (1). c-MER is essential regulators of mammalian spermatogenesis (2). Mutations in c-MER gene have been associated with disruption of the retinal pigment epithelium (RPE) phagocytosis pathway and onset of autosomal recessive retinitis pigmentosa (RP).
Product Categories/Family for c-MER recombinant protein	Mutant Kinases; Cancer; Cardiovascular Disease; Cytoplasmic Tyrosine Kinases; Inflammation; Neurobiology; Receptor Tyrosine Kinases

References	1. Rothlin, C. V.et.al: TAM receptors are pleiotropic inhibitors of the innate immune response. Cell 131: 1124-1136, 2007. 2. Lu, Q.et.al: Tyro-3 family receptors are essential regulators of mammalian spermatogenesis. Nature 398: 723-728, 1999.

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://www.aaabiotech.com/c-mer-a708s-recombinant-protein-sf9-kinase-assay/73690