MAK recombinant protein

MAK, Active

CATALOG #	HOST	APPLICATIONS
AAA73648	**Sf9 insect cells**	**Western Blot**

PRODUCT SYNONYMS

MAK; Active; dJ417M14.2; ALPK3; MAK 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 MAK 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 MAK recombinant protein	Recombinant full-length human MAK was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The MAK gene accession number is BC039825. MAK or male germ cell-associated kinase is a serine/threonine protein kinase related to kinases involved in cell cycle regulation which is expressed almost exclusively in the testis, primarily in germ cells. MAK plays an important role in spermatogenesis (1). MAK is also required for retinal photoreceptor survival (2). MAK is a regulator of ciliary length, as a cause of retinitis pigmentosa.
Product Categories/Family for MAK recombinant protein	Protein Kinases; Cell Cycle; Neurobiology; Ser/Thr Kinases
References	1. Matsushime, H. et.al: A novel mammalian protein kinase gene (mak) is highly expressed in testicular germ cells at and after meiosis. Molec. Cell. Biol. 10: 2261-2268, 1990. 2. Omori, Y. et.al: Negative regulation of ciliary length by ciliary male germ cell-associated kinase (Mak) is required for retinal photoreceptor survival. Proc. Nat. Acad. Sci. 107: 22671-22676, 2010.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24981043
NCBI GeneID	4117
Molecular Weight	66,345 Da
NCBI Official Full Name	Homo sapiens male germ cell-associated kinase, mRNA
NCBI Official Synonym Full Names	male germ cell associated kinase
NCBI Official Symbol	MAK
NCBI Official Synonym Symbols	RP62
NCBI Protein Information	serine/threonine-protein kinase MAK

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/mak-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73648