

Active Recombinant Human MAK, GST-tagged

Cat. No. MAK-35H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human MAK was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	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. MAK is also required for retinal photoreceptor survival. MAK is a regulator of ciliary length, as a cause of retinitis pigmentosa.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	40 nmol/min/mg
Molecular Mass	~78 kDa
Applications	Kinase Assay, Western Blot
Storage	Store product at –70oC. 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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Concentration 0.1ug/ul

GENE INFORMATION

Gene Name MAK male germ cell-associated kinase [Homo sapiens]

Official Symbol MAK

Synonyms MAK; male germ cell-associated kinase; serine/threonine-protein kinase MAK; dJ417M14.2; serine/threonine protein kinase MAK; male germ cell-associated kinase retinal-enriched isoform; RP62;

Gene ID 4117

mRNA Refseq NM_001242385

Protein Refseq NP_001229314

MIM 154235

UniProt ID P20794

Chromosome Location 6q22

Pathway Coregulation of Androgen receptor activity, organism-specific biosystem;

Function ATP binding; ATP binding; cyclin-dependent protein kinase activity; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; transcription coactivator activity; transferase activity, transferring phosphorus-containing groups;

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