Recombinant Human MAK cell lysate

Cat. No. MAK-1048HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	The product of this gene is a serine/threonine protein kinase related to kinases involved in cell cycle regulation. It is expressed almost exclusively in the testis, primarily in germ cells. Studies of the mouse and rat homologs have localized the kinase to the chromosomes during meiosis in spermatogenesis, specifically to the synaptonemal complex that exists while homologous chromosomes are paired. There is, however, a study of the mouse homolog that has identified high levels of expression in developing sensory epithelia so its function may be more generalized.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

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;

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	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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