

Recombinant Human Maternal Embryonic Leucine Zipper Kinase

Cat. No. MELK-730H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MELK, N-terminal fragment, amino acids M1-A342, untagged, was expressed in Sf9 insect cells. MW = 39,852 Da.
Species	Human
Source	Sf9 Cells
Protein Length	1-342 a.a.
Description	Maternal embryonic leucine zipper kinase is an enzyme that in humans is encoded by the MELK gene. MELK has been shown to interact with CDC25B.
Purification	GST-Affinity Chromatography followed by 3C mediated removal of the GST tag.
Product Identity	MELK was confirmed as MELK by mass spectroscopy LC-ESI-MS/MS.
Storage Buffer	50 mM HEPES pH 7.5, 100 mM NaCl, 5 mM DTT, 20% glycerol.
Concentration	0.191 µg/µl (Bradford method using BSA [Sigma, cat# A-7638, Lot 79H7641] as standard protein).
Specific Activity	6 pmol/µg×min.
Storage	-80°C. Avoid repeated freeze-thaw cycles!

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GENE INFORMATION

Gene Name	MELK maternal embryonic leucine zipper kinase [Homo sapiens]
Synonyms	MELK; maternal embryonic leucine zipper kinase; HPK38; KIAA0175; Hmelk; pEg3 kinase; protein kinase PK38; EC 2.7.11.1; Protein kinase PK38
Gene ID	9833
mRNA Refseq	NM_014791
Protein Refseq	NP_055606
MIM	607025
UniProt ID	Q14680
Chromosome Location	9p13.2
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity

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