

Recombinant Human MELK

Cat. No. MELK-30097TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 1-340 of Human MELK with N-terminal proprietary tag; MWt 61 kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	340 amino acids
Description	Maternal embryonic leucine zipper kinase is an enzyme that in humans is encoded by the MELK gene.
Molecular Weight	61.000kDa inclusive of tags
Tissue specificity	Expressed in placenta, kidney, thymus, testis, ovary and intestine.
Biological activity	The Specific activity of MELK-30097TH was determined to be 200 nmol/min/mg.
Form	Liquid
Purity	Densitometry
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 10mM Glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, pH 7.5

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. SNF1 subfamily.Contains 1 KA1 (kinase-associated) domain.Contains 1 protein kinase domain.
GENE INFORMATION	
Gene Name	MELK maternal embryonic leucine zipper kinase [Homo sapiens]
Official Symbol	MELK
Synonyms	MELK; maternal embryonic leucine zipper kinase; KIAA0175;
Gene ID	9833
mRNA Refseq	NM_014791
Protein Refseq	NP_055606
MIM	607025
Uniprot ID	Q14680
Chromosome Location	9p13.1
Function	ATP binding; calcium ion binding; lipid binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding;

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