

Active Recombinant Human MELK Protein, GST-tagged

Cat. No. MELK-4448H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MELK (NP_055606.1, 1 a.a. - 493 a.a.) partial recombinant protein with GST tag expressed in Escherichia coli
Species	Human
Source	E.coli
ProteinLength	1-493 a.a.
Description	MELK (Maternal Embryonic Leucine Zipper Kinase) is a Protein Coding gene. Among its related pathways are Neuroscience. GO annotations related to this gene include calcium ion binding and protein kinase activity. An important paralog of this gene is SNRK.
Form	Liquid
Bio-activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg (or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: GS peptide. ATP: 100 μM.
Molecular Mass	84 kDa

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Purity	62 % by SDS-PAGE/CBB staining.
Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)

GENE INFORMATION

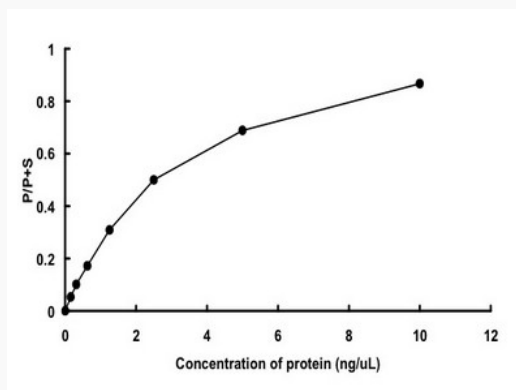
Gene Name	MELK maternal embryonic leucine zipper kinase [Homo sapiens]
Official Symbol	MELK
Synonyms	MELK; maternal embryonic leucine zipper kinase; KIAA0175; pEg3 kinase; protein kinase Eg3; protein kinase PK38; tyrosine-protein kinase MELK; HPK38;
Gene ID	9833
mRNA Refseq	NM_001256685
Protein Refseq	NP_001243614
MIM	607025
UniProt ID	Q14680

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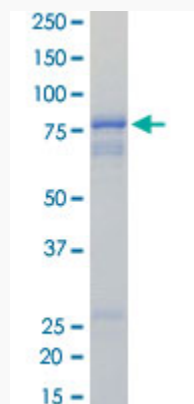
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Result of activity analysis



Quality Control Testing



SDS-PAGE Stained with Coomassie Blue