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Recombinant Human MELK Protein

Catalog No.: RP03336LQ Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	9833	Q14680

Tags
N-His

Synonyms
MELK; KIAA0175; pEg3 kinase; hPK38; Maternal embryonic leucine zipper kinase

Product Information

Source	Purification
E. coli	> 90% by SDS-PAGE and HPLC

Calculated MW	Observed MW
39.7 kDa	30-40 kDa

Endotoxin
< 1.0 EU/μg of the protein by LAL method

Formulation
Supplied as a 0.22 μm filtered solution in 50 mM Tris-HCl, 200 mM NaCl, 20% glycerol, 1 mM DTT. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution
Please use running water to thaw it quickly.

Contact

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Background

Maternal embryonic leucine zipper kinase (MELK) is a serine/threonine kinase belonging to the family of AMPK/Snf1 protein kinases. MELK was first identified present as maternal mRNA in mouse embryos, and has been shown to interact with CDC25B. MELK expression is elevated in a number of cancers and is an active research target for pharmacological inhibition.

Basic Information

Description
Recombinant Human MELK Protein is produced by E. coli expression system. The target protein is expressed with sequence (Asp3-Val330) of Human MELK (Accession #Q14680) fused with a N-His tag.

Bio-Activity
The activity of MELK is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Storage
Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.
Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.
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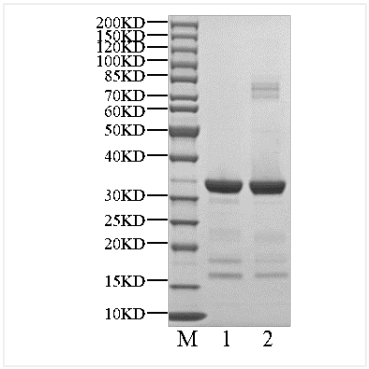
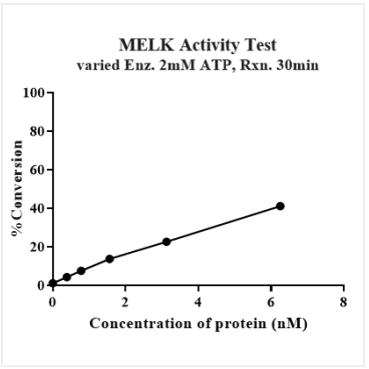
Validation Data



Recombinant Human MELK Protein was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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