Recombinant Human MELK Kinase

Catalog No.: RP03336LQ

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Sequence Information

Species
Human

Gene ID
9833

Swiss Prot
Q14680

Tags
N-His

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

Product Information

Source
E. coli

Purification
≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.

Calculated MW
39.7 kDa

Observed MW
30-40 kDa

Endotoxin
< 1 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.

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.

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.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

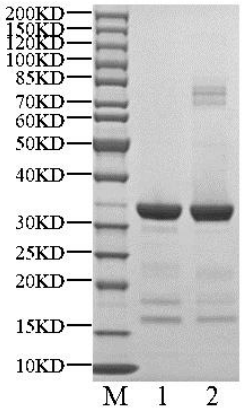
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

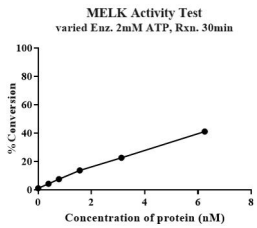
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Validation Data



Recombinant Human MELK Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



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