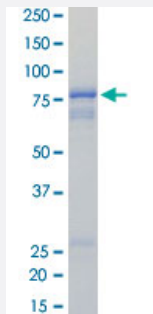


Bioactive

MELK (Human) Recombinant Protein

Catalog # P5785 Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human MELK (NP_055606.1, 1 a.a. - 493 a.a.) partial recombinant protein with GST tag expressed in <i>Escherichia coli</i> .
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	84
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Glutathione sepharose chromatography
Purity	62 % by SDS-PAGE/CBB staining

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.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — MELK

Entrez GeneID	9833
Protein Accession#	NP_055606.1
Gene Name	MELK
Gene Alias	HPK38, KIAA0175
Gene Description	maternal embryonic leucine zipper kinase
Omim ID	607025
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000046113 pEg3 kinase