Recombinant Human MELK (1-340aa) (N-GST tag)

Cat No:HR2R1722

For research use only

Overview

Quantity	10 ?g
Gene Symbol	MELK
Gene ID	N/A
Accession	NM_014791
Alternative Name	HPK38, KIAA0175
Species	Human
Source	Insect cells
Description	MELK or maternal embryonic leucine zipper kinase is a member of the CAMKL kinase family. MELK is a key regulator of the proliferation of malignant brain tumors including their stem cells . MELK transcript abundance correlates with malignancy grade in human astrocytomas and represents a therapeutic target for the management of the most frequent brain tumors in adult and children. MELK also plays a role in mammary carcinogenesis through inhibition of the pro-apoptotic function of Bcl-GL . Therefore, the kinase activity of MELK could be a promising molecular target for development of therapy for patients with breast cancers.
Functions	The specific activity of MELK was determined to be 200 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	61
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.