

Recombinant Human MELK (1-550aa) (N-GST tag) Cat No:HR2R1723

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 210 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 | 88 |
| 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. |