

Recombinant Human EIF2AK1 (HRI) (N-GST tag) Cat No:HR2R1342

For research use only

Overview

| Quantity | 10 ?g |
|-----------------------|--|
| Gene Symbol | EIF2AK1 (HRI) |
| Gene ID | N/A |
| Accession | NM_014413 |
| Alternative Name | HCR; HRI; KIAA1369 |
| Species | Human |
| Source | |
| Description | EIF2AK1 (HRI) or eukaryotic translation initiation factor 2-alpha kinase 1 acts at the level of translation initiation to downregulate protein synthesis in response to stress. EIF2AK1 (HRI) is a kinase that can be inactivated by hemin and is activated by heme deficiency and other stimuli and is a major protein kinase that phosphorylates EIF2-alpha . EIF2AK1 (HRI) is downregulated in the majority of ovarian cancers compared with normal ovarian tissues. EIF2AK1 (HRI) functions in iron homeostasis and may play a role in hemolytic and inflammatory anemia . |
| Functions | The specific activity of EIF2AK1 (HRI) was determined to be 12 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 | 120 |
| 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. |