

Recombinant Human EIF2AK4 (GCN2) (N-GST tag) Cat No:HR2R1345

For research use only

Overview

| Quantity | 10 ?g |
|-----------------------|---|
| Gene Symbol | EIF2AK4 |
| Gene ID | N/A |
| Accession | NM_001013703 |
| Alternative Name | GCN2; KIAA1338 |
| Species | Human |
| Source | |
| Description | EIF2AK4 or eukaryotic translation initiation factor 2 alpha kinase 4 belongs to a family of kinases that phosphorylate the alpha subunit of eukaryotic translation initiation factor-2 to downregulate protein synthesis in response to varied cellular stresses. The EIF2AK4 eIF2-alpha kinase regulates fatty-acid homeostasis in the liver during deprivation of an essential amino acid . |
| Functions | The specific activity of EIF2AK4 was determined to be 14 nmol/min/mg as per activity assay protocol. |
| Formulation | 50mM Tris-HCI, pH 7.5, 150mM NaCI, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. |
| Solubility | N/A |
| Appearance | Liquid |
| Molecular Weight | 132 |
| 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. |