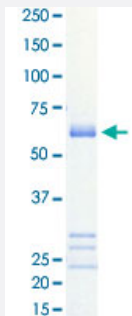


Bioactive

EIF2AK2 (Human) Recombinant Protein

Catalog # P5626 Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

□

Specification

Product Description	Human EIF2AK2 (NP_002750.1, 252 a.a. - 551 a.a.) partial recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	62
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography and anion exchange chromatography
Purity	61 % by SDS-PAGE/CBB staining

Activity	The activity was determined by IMAP™ assay. The enzyme was incubated with fluorescein labeled peptide and phosphorylation was detected by IMAP™ technology (fluorescence polarization). Substrate: SRPKtide. ATP: 100 uM.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
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 — EIF2AK2

Entrez GeneID	5610
Protein Accession#	NP_002750.1
Gene Name	EIF2AK2
Gene Alias	EIF2AK1, MGC126524, PKR, PRKR
Gene Description	eukaryotic translation initiation factor 2-alpha kinase 2
Omim ID	176871
Gene Ontology	Hyperlink
Gene Summary	interferon-inducible double stranded RNA dependent
Other Designations	OTTHUMP00000126954 double stranded RNA activated protein kinase interferon-inducible eIF2 alpha kinase protein kinase, interferon-inducible double stranded RNA dependent

Disease

- [Abortion](#)

- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
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