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Product datasheet for TP761991

PKR (EIF2AK2) (NM_001135651) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human eukaryotic translation initiation factor 2-alpha kinase 2 (EIF2AK2), transcript variant 2,Glu51-Asn191, with N-terminal His-ABP tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Glu51-Asn191)of EIF2AK2
Tag:	N-His-ABP (Albumin-Binding Protein)
Predicted MW:	30.3 kDa
Concentration:	>0.05 μg/μL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001129123
Locus ID:	5610
UniProt ID:	P19525, Q8IW76
RefSeq Size:	4127
Cytogenetics:	2p22.2
RefSeq ORF:	1653
Synonyms:	EIF2AK1; LEUDEN; PKR; PPP1R83; PRKR

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Summary: The protein encoded by this gene is a serine/threonine protein kinase that is activated by autophosphorylation after binding to dsRNA. The activated form of the encoded protein can phosphorylate translation initiation factor EIF2S1, which in turn inhibits protein synthesis. This protein is also activated by manganese ions and heparin. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Protein Families: Druggable Genome, Protein Kinase, Transcription Factors

Product images: