

Product datasheet for **TP326606**

PKR (EIF2AK2) (NM_001135651) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens eukaryotic translation initiation factor 2-alpha kinase 2 (EIF2AK2), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC226606 protein sequence Red =Cloning site Green =Tags(s)

MAGDLSAGFFMEELNTYRQKQGWLKYQELPNSGPPHRRRFTFQVIIDGREFPEGEGRSKKEAKNAAAKL
AVEILNKEKKAVSPLLLTTTNSSEGLSMGNYIGLINRIAQKKRLTVNYEQCASGVHGPFGFHYKCKMGQK
EYSIGTGSTKQEAQQLAAKLAYLQILSEETSVKSDYLSSGSFATTCESQNSLVTSTLASESSSEGDFSA
DTSEINSNSDSLNSSLLMNGLRNNQRKAKRSLAPRFDLPDMKETKYTVDKRFGMDFKEIELIGSGGFGQ
VFKAKHRIDGKTYVIKRVKYNNEKAEREVKALAKLDHVNIVHYNGCWDGFDYDPETSDDSLESSDYDPEN
SKNSSRSKTKCLFIQMEFCDKGTLEQWIEKRRGEKLDKVLALELFEQITKGVDYIHSKKLIHRDLKPSNI
FLVDTKQVKIGDFGLVTSKNDGKRTRSKGTLRYMSPEIQSSQDYGKEVDLYALGLILAEHLHVCDTAFE
TSKFFTDLRDGIISDIFDKKEKTLQKLLSKKPEDRPNTSEILRTLTVWKKSPKNERHTC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

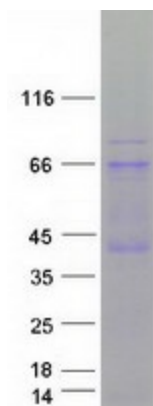
Tag:	C-Myc/DDK
Predicted MW:	61.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.



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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
RefSeq Size:	4127
Cytogenetics:	2p22.2
RefSeq ORF:	1653
Synonyms:	EIF2AK1; LEUDEN; PKR; PPP1R83; PRKR
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:



Coomassie blue staining of purified EIF2AK2 protein (Cat# TP326606). The protein was produced from HEK293T cells transfected with EIF2AK2 cDNA clone (Cat# [RC226606]) using MegaTran 2.0 (Cat# [TT210002]).