

Product datasheet for TP304303

EIF2A (NM_032025) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human eukaryotic translation initiation factor 2A, 65kDa (EIF2A), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204303 protein sequence Red =Cloning site Green =Tags(s)

MAPSTPLLTVRGSEGLYMVNGPPHFTESTVFPRESGKNCKVCIFSKDGTLFAWNGEKNVNIISVTNKGLL
HSFDLLKAVCLEFSPKNTVLATWQPYTTSKDGTAGIPNLQLYDVKTGTCLKSFIQKKMQNWCPWSSEDET
LCARNVNEVHFFENNFNTIANKLHLQKINDFVLSPGPQPYKVAVVYVPGSKGAPSFVRLYQYPNFAGPH
AALANKSFFKADKVTMLWNKKATAVLVIASDVKDGTGASYYGEQTLHYIATNGESAVVQLPKNGPIYDVV
WNSSTEFCAVYGFMPAKATIFNLKCDPVDFDGTGPRNAAYYSPHGHILVLAFGNLRGQMEVWDVKNY
K
LISKPVASDSTYFAWCPDGEHILTATCAPRLRVNNGYKIWHYTGSIHKYDVPSNAELWQVSWQPFLDGI
FPAKTITYQAVPSEVPNEEPKVATAYRPPALRNKPITNSKLHEEPPQNMKPSGNDKPLSKTALKNQK
HEAKKAAKQEARSDKSPDLAPTAPQSTPRNTVVSQISGDPEIDKKIKNLKKKLAIEQLKEQAATGKQL
EKNQLEKIQKETALLQELEDLKLGI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

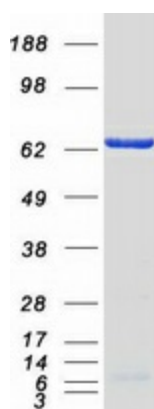
Tag:	C-Myc/DDK
Predicted MW:	64.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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_114414
Locus ID:	83939
UniProt ID:	Q9BY44
RefSeq Size:	3894
Cytogenetics:	3q25.1
RefSeq ORF:	1755
Synonyms:	CDA02; EIF-2A; MST089; MSTP004; MSTP089
Summary:	This gene encodes a eukaryotic translation initiation factor that catalyzes the formation of puromycin-sensitive 80 S preinitiation complexes and the poly(U)-directed synthesis of polyphenylalanine at low concentrations of Mg ²⁺ . This gene should not be confused with eIF2-alpha (EIF2S1, Gene ID: 1965), the alpha subunit of the eIF2 translation initiation complex. Although both of these proteins function in binding initiator tRNA to the 40 S ribosomal subunit, the encoded protein does so in a codon-dependent manner, whereas eIF2 complex requires GTP. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016]

Product images:



Coomassie blue staining of purified EIF2A protein (Cat# TP304303). The protein was produced from HEK293T cells transfected with EIF2A cDNA clone (Cat# [RC204303]) using MegaTran 2.0 (Cat# [TT210002]).