

## Product datasheet for **TP304303L**

### EIF2A (NM\_032025) Human Recombinant Protein

#### Product data:

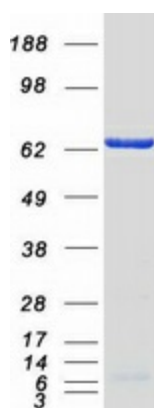
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human eukaryotic translation initiation factor 2A, 65kDa (EIF2A), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204303 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MAPSTPLLTVRGSEGLYMVNGPPHFTESTVFPRESGKNCKVCIFSKDGLFAWGNGEKVNII SVTNKGLL HSFDLLKAVCLEFSPKNTVLATWQPYTT SKDGTAGIPNLQLYDVKTGTCLKSFIQKKMQNWCP SWEDET LCARNVNNEVHFFENNNFNNTIANKLHLQKINDFVLSGPQPYKVAVVYPGSKGAPSFVRLYQYPNFAGPH AALANKSFFKADKVTMLWNKKATAVLVIASDVKTGASYGGEQLHYIATNGESAVVQLPKNGPIYDVV WNSSSTEFCAVYGFMPAKATIFNLKCDPVDFGTGPRNAAYSPHGHILVLAGFGNLRGQMEVWDVKNYK LISKPVASDSTYFAWCPDGEHILTATCAPRLRVNNGYKIWHYTG SILHKYDVPSNAELWQVSWQPFLDGI FPAKTITYQAVPSEVPNEEPKVATAYRPPALRNKPITNSKLHEEPPQNMKPQSGNDKPLSKTALKNQRK HEAKKAAKQEARSDKSPDLAPTAPQSTPRNTVSQSIGDPEIDKKIKNLKKLKAIEQLKEQAATGKQL EKNQLEKIQKETALLQELEDLKLGI</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
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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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_114414</a>
<b>Locus ID:</b>	83939
<b>UniProt ID:</b>	<a href="#">Q9BY44</a>
<b>RefSeq Size:</b>	3894
<b>Cytogenetics:</b>	3q25.1
<b>RefSeq ORF:</b>	1755
<b>Synonyms:</b>	CDA02; EIF-2A; MST089; MSTP004; MSTP089
<b>Summary:</b>	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 <sup>2+</sup> . 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]).