

## Recombinant Human EIF2A Protein, MYC/DDK-tagged

Cat. No. EIF2A-338H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human EIF2A fused with MYC/DDK tag at C-terminal was expressed in HEK293.

**Species** Human

**Source** HEK293

**Description** 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.

**Form** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

**Molecular Mass** 64.8 kDa

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Concentration** >50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

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<b>Gene Name</b>	EIF2A eukaryotic translation initiation factor 2A, 65kDa [ Homo sapiens ]
<b>Official Symbol</b>	EIF2A
<b>Synonyms</b>	EIF2A; eukaryotic translation initiation factor 2A, 65kDa; eukaryotic translation initiation factor 2A; EIF 2A; 65 kDa eukaryotic translation initiation factor 2A; CDA02; EIF-2A; MST089; MSTP004; MSTP089;
<b>Gene ID</b>	83939
<b>mRNA Refseq</b>	NM_032025
<b>Protein Refseq</b>	NP_114414
<b>MIM</b>	609234
<b>UniProt ID</b>	Q9BY44

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