

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 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.
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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Gene Name	EIF2A eukaryotic translation initiation factor 2A, 65kDa [Homo sapiens]
Official Symbol	EIF2A
Synonyms	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;
Gene ID	83939
mRNA Refseq	NM_032025
Protein Refseq	NP_114414
MIM	609234
UniProt ID	Q9BY44

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