

Product datasheet for PH304303

EIF2A (NM_032025) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	EIF2A MS Standard C13 and N15-labeled recombinant protein (NP_114414)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204303
Predicted MW:	65 kDa
Protein Sequence:	>RC204303 protein sequence Red=Cloning site Green=Tags(s)

MAPSTPLLTVRGSEGLYMNVPFHFTSTVFPRESGKNCKVCIFSKDGTLFAWNGEKVNIISVTNKGLL
HSFDLLKAVCLEFSPKNTVLATWQPYYTTSKDGTAGIPNLQLYDVKTGTCLKSFIQKMQNWCPSWSEDET
LCARNVNNEVHFFENNNFNNTIANKLHLQKINDFVLSPGPQPYKVAVYVPGSKGAPSFVRLYQYPNFAGPH
AALANKSFFKADKVTMLWNKATAVLVIASDVKDTGASYYGEQTLHYIATNGESAVVQLPKNGPIYDVV
WNSSTEFCAVYGFMPAKATIFNLKCDPVDFGTGPRNAAYYSPHGHILVLAGFGNLRGQMEVWDVKNYK
LISKPVASDSTYFAWCPDGEHILTATCAPRLRVNNGYKIWHYTGSI LHKYDVPSNAELWQVSWQPFLDGI
FPAKTITYQAVPSEVPNEEPKVATAYRPPALRNKPIITNSKLHEEEPPQNMKPQSGNDKPLSKTALKNQRK
HEAKKAQKQEARSDKSPDLAPTAPQSTPRNTVSQSI SGPDEIDKKIKNLKKLKAIEQLKEQAATGKQL
EKNQLEKI QKETALLQELEDLKLGI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_114414
RefSeq Size:	3894
RefSeq ORF:	1755



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Synonyms: CDA02; EIF-2A; MST089; MSTP004; MSTP089

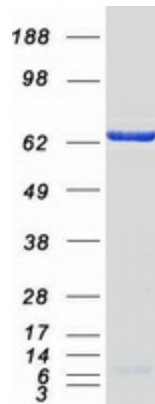
Locus ID: 83939

UniProt ID: [Q9BY44](#)

Cytogenetics: 3q25.1

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 Mg²⁺. 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]).