

## Product datasheet for PH306249

### EIF5A2 (NM\_020390) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	EIF5A2 MS Standard C13 and N15-labeled recombinant protein (NP_065123)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206249
Predicted MW:	16.8 kDa
Protein Sequence:	>RC206249 protein sequence Red=Cloning site Green=Tags(s)  MADEIDFTTG DAGASSTYPMQCSALRKNQFVVLKGRPCKIVEMSTSKTGKHGHAKVHLVGIDIFTGKKYE DICPSTHNMDVPNIKRNDYQLICIQDGYLSLLTETGEVREDLKLPEGELGKEIEGKYNAGEDVQVSYMCA MSEYAYAIKPKK  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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_065123</a>
RefSeq Size:	5537
RefSeq ORF:	459
Synonyms:	EIF-5A2; eIF5AII
Locus ID:	56648
UniProt ID:	<a href="#">Q9GZV4</a>

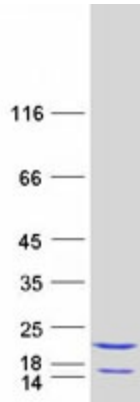


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Cytogenetics: 3q26.2

**Summary:** mRNA-binding protein involved in translation elongation. Has an important function at the level of mRNA turnover, probably acting downstream of decapping. Involved in actin dynamics and cell cycle progression, mRNA decay and probably in a pathway involved in stress response and maintenance of cell wall integrity. Functions as a regulator of apoptosis. Mediates effects of polyamines on neuronal process extension and survival. May play an important role in brain development and function, and in skeletal muscle stem cell differentiation (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified EIF5A2 protein (Cat# [TP306249]). The protein was produced from HEK293T cells transfected with EIF5A2 cDNA clone (Cat# [RC206249]) using MegaTran 2.0 (Cat# [TT210002]).