

Product datasheet for PH306301

EIF5 (NM_001969) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	EIF5 MS Standard C13 and N15-labeled recombinant protein (NP_001960)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206301
Predicted MW:	49.2 kDa
Protein Sequence:	>RC206301 protein sequence Red=Cloning site Green=Tags(s)
	MSVNVNRSVSDQFYRYKMPRLIAKVEGKNGIKTVIVNMVDVAKALNRPPTYPTKYFGCELGAQTQFDVK NDRYIVNGSHEANKLQDMLDGF IKKFVLCPECEPETDLHVNPKKQTIGNSCKACGYRGLDTHHKLCTF ILKNPPENS DSGTGKKEKEKKNRKGDKENG SVSSSETPPPPPPNEINPPHTMEEEEDDWGEDTTEE AQRMRMDEISDHAKVLTLSDDLERTIEERVNILFDVKKKKEEGVIDSSDKEIVAEERLDVKAMGPLVL TEVLFNEKIREQIKKYRRHFLRFCHNNKAKRYLLHGLECVVAMHQAQLISKIPHILKEMYDADLLEEV IISWSEKASKKYVSKELAKEIRVKAEPFIKWLKEAEEESSGGEEDEDENIEVVYSKAASVPKVETVKSD NKDDIDIDAI
	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:	<u>NP_001960</u>
RefSeq Size:	5963
RefSeq ORF:	1293
Synonyms:	EIF-5; EIF-5A



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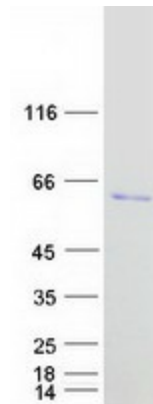
Locus ID: 1983

UniProt ID: [P55010](#), [A0A024R6Q1](#)

Cytogenetics: 14q32.32

Summary: Eukaryotic translation initiation factor-5 (EIF5) interacts with the 40S initiation complex to promote hydrolysis of bound GTP with concomitant joining of the 60S ribosomal subunit to the 40S initiation complex. The resulting functional 80S ribosomal initiation complex is then active in peptidyl transfer and chain elongations (summary by Si et al., 1996 [PubMed 8663286]).[supplied by OMIM, May 2010]

Product images:



Coomassie blue staining of purified EIF5 protein (Cat# [TP306301]). The protein was produced from HEK293T cells transfected with EIF5 cDNA clone (Cat# [RC206301]) using MegaTran 2.0 (Cat# [TT210002]).