

Product datasheet for PH301563

EIF2S2 (NM_003908) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	EIF2S2 MS Standard C13 and N15-labeled recombinant protein (NP_003899)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201563
Predicted MW:	38.4 kDa
Protein Sequence:	>RC201563 protein sequence Red=Cloning site Green=Tags(s)

MSGDEMI F D P T M S K K K K K K K P F M L D E E G D T Q T E E T Q P S E T K E V E P E P T E D K D L E A D E E D T R K K D A S D D L
D D L N F F N Q K K K K K T K K I F D I D E A E E G V K D L K I E S D V Q E P T E P E D D L D I M L G N K K K K K N V K F P D E D E I L
E K D E A L E D E D N K K D D G I S F S N Q T G P A W A G S E R D Y T Y D E L L N R V F N I M R E K N P D M V A G E K R K F V M K P P Q V V
R V G T K K T S F V N F T D I C K L L H R Q P K H L L A F L L A E L G T S G S I D G N N Q L V I K G R F Q Q K Q I E N V L R R Y I K E Y V T
C H T C R S P D T I L Q K D T R L Y F L Q C E T C H S R C S V A S I K T G F Q A V T G K R A Q L R A K A N

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_003899</u>
RefSeq Size:	2592
RefSeq ORF:	999
Synonyms:	eIF-2-beta; EIF2; EIF2B; EIF2beta; PPP1R67
Locus ID:	8894



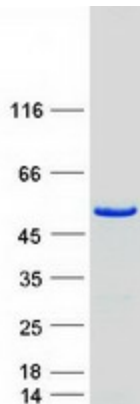
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UniProt ID: [P20042](#), [Q61BR8](#)

Cytogenetics: 20q11.22

Summary: Eukaryotic translation initiation factor 2 (EIF-2) functions in the early steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA and binding to a 40S ribosomal subunit. EIF-2 is composed of three subunits, alpha, beta, and gamma, with the protein encoded by this gene representing the beta subunit. The beta subunit catalyzes the exchange of GDP for GTP, which recycles the EIF-2 complex for another round of initiation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]

Product images:



Coomassie blue staining of purified EIF2S2 protein (Cat# [TP301563]). The protein was produced from HEK293T cells transfected with EIF2S2 cDNA clone (Cat# [RC201563]) using MegaTran 2.0 (Cat# [TT210002]).