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Product datasheet for PH308664

EIF4EBP2 (NM_004096) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	EIF4EBP2 MS Standard C13 and N15-labeled recombinant protein (NP_004087)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208664
Predicted MW:	12.9 kDa
Protein Sequence:	>RC208664 protein sequence Red=Cloning site Green=Tags(s) MSSSAGSGHQPSQSRAIPTRTVAISDAAQLPHDYCTTPGGTLFSTTPGGTRIIYDRKFLLDRRNSPMAQT PPCHLPNIPGVTSPGTLIEDSKVEVNNLNNLNNHDRKHAVGDDAQFEMDI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_004087
RefSeq Size:	7531
RefSeq ORF:	360
Synonyms:	4EBP2; PHASII
Locus ID:	1979
UniProt ID:	Q13542, A0A024QZM3
Cytogenetics:	10q22.1

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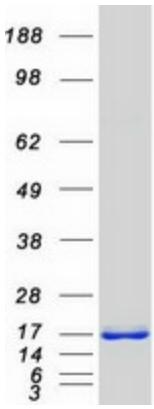
Summary: This gene encodes a member of the eukaryotic translation initiation factor 4E binding protein family. The gene products of this family bind eIF4E and inhibit translation initiation. However, insulin and other growth factors can release this inhibition via a phosphorylation-dependent disruption of their binding to eIF4E. Regulation of protein production through these gene products have been implicated in cell proliferation, cell differentiation and viral infection. [provided by RefSeq, Oct 2008]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified EIF4EBP2 protein (Cat# [TP308664]). The protein was produced from HEK293T cells transfected with EIF4EBP2 cDNA clone (Cat# [RC208664]) using MegaTran 2.0 (Cat# [TT210002]).