

## Product datasheet for **TP308664**

### EIF4EBP2 (NM\_004096) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human eukaryotic translation initiation factor 4E binding protein 2 (EIF4EBP2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208664 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MSSSAGSGHQPSQSRAIPTRTVAISDAAQLPHDYCTTPGGTLFSTTPGGTRIIYDRKFLLDRRNSPMAQT PPCHLPNIPGVTSPGLIEDSKVEVNNLNNLNNHDKHAVGDDAQFEMDI
	<b>TR</b> TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	12.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_004087</a>
Locus ID:	1979
UniProt ID:	<a href="#">Q13542</a> , <a href="#">A0A024QZM3</a>
RefSeq Size:	7531



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Cytogenetics: 10q22.1

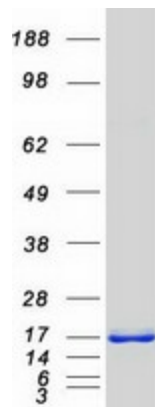
RefSeq ORF: 360

Synonyms: 4EBP2; PHASII

**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]).