

## Product datasheet for **TP306355L**

### PBP (PEBP1) (NM\_002567) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphatidylethanolamine binding protein 1 (PEBP1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206355 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MPVDLSKWSGPLSLQEVDQPQHPLHVTYAGAAVDELGKVLTPQVKNRPTSISWDGLDSGKLYTLVLTD PDAPSRKDPKYREWHHFLVWNMKGNDISSGTVLSDYVVGSGPPKGTGLHRYVWLVEQDRPLKCDEPILSN RSGDHRGKFKVASFRKKYELRAPVAGTCYQAEWDDYVPKLYEQLSGK
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	20.9 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_002558</a>
Locus ID:	5037
UniProt ID:	<a href="#">P30086</a> , <a href="#">D9IAI1</a>
RefSeq Size:	1507



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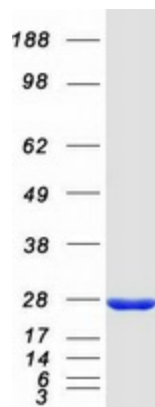
Cytogenetics: 12q24.23

RefSeq ORF: 561

Synonyms: HCNP; HCNppp; HEL-210; HEL-S-34; HEL-S-96; PBP; PEBP; PEBP-1; RKIP

**Summary:** This gene encodes a member of the phosphatidylethanolamine-binding family of proteins and has been shown to modulate multiple signaling pathways, including the MAP kinase (MAPK), NF-kappa B, and glycogen synthase kinase-3 (GSK-3) signaling pathways. The encoded protein can be further processed to form a smaller cleavage product, hippocampal cholinergic neurostimulating peptide (HCNP), which may be involved in neural development. This gene has been implicated in numerous human cancers and may act as a metastasis suppressor gene. Multiple pseudogenes of this gene have been identified in the genome. [provided by RefSeq, Jul 2015]

### Product images:



Coomassie blue staining of purified PEBP1 protein (Cat# [TP306355]). The protein was produced from HEK293T cells transfected with PEBP1 cDNA clone (Cat# [RC206355]) using MegaTran 2.0 (Cat# [TT210002]).