

## Product datasheet for PH306355

### PBP (PEBP1) (NM\_002567) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PEBP1 MS Standard C13 and N15-labeled recombinant protein (NP_002558)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206355
Predicted MW:	21.1 kDa
Protein Sequence:	>RC206355 protein sequence Red=Cloning site Green=Tags(s)  MPVDLSKWSGPLSLQEVDEQPQHPLHVTYAGAAVDELGKVLTPQTQVKNRPTSISWDGLDSGKLYTLVLTDPDAPSRKDPKYREWVHFLVVMKGNDISSGTVLSYVGSPPKGTGLHRYVWLVYEQDRPLKCEPILSNRSGDHRGKFKVASFRKKYELRAPVAGTCYQAEWDDYVPKLYEQLSGK  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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_002558</a>
RefSeq Size:	1507
RefSeq ORF:	561
Synonyms:	HCNP; HCNppp; HEL-210; HEL-S-34; HEL-S-96; PBP; PEBP; PEBP-1; RKIP
Locus ID:	5037
UniProt ID:	<a href="#">P30086</a> , <a href="#">D9IAI1</a>

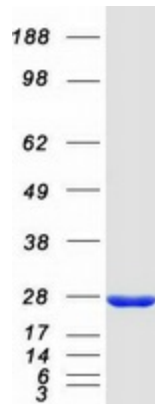


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**Cytogenetics:** 12q24.23

**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]).