

Recombinant Human PEBP1

Cat. No. PEBP1-29533TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PEBP1 was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-187 aa
Description	Phosphatidylethanolamine binding protein 1 (PEBP1) is a member of the phosphatidylethanolamine-binding protein family and a serine protease inhibitor which inhibits thrombin, neuropsin. PEBP1 plays a pivotal modulatory role in several protein kinase signaling cascades. Protein kinase C (PKC) phosphorylates PEBP1, resulting in release of Raf-1 and activation of MEK and ERK. Expressed in many tissues, PEBP1 is implicated in the regulation of such physiological processes as membrane biosynthesis, spermatogenesis, neural development, and metastasis suppression.
Molecular Mass	21 kDa (187aa), confirmed by MALDI-TOF.
Form	Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol
Purity	> 95% by SDS - PAGE
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	SDS-PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Storage	Can be stored at +4oC short term (1-2 weeks). For long term storage, aliquot and store at -20oC or -70oC. Avoid repeated freezing and thawing cycles.
OfficialSymbol	PEBP1
GENE INFORMATION	
Gene Name	PEBP1 phosphatidylethanolamine binding protein 1 [Homo sapiens]
Synonyms	PEBP1; phosphatidylethanolamine binding protein 1; PBP, prostatic binding protein; phosphatidylethanolamine-binding protein 1; HCNP; hippocampal cholinergic neurostimulating peptide; PEBP; Raf kinase inhibitory protein; RKIP
Gene ID	5037
mRNA Refseq	NM_002567
Protein Refseq	NP_002558
MIM	604591
UniProt ID	P30086
Chromosome Location	12q24.23
Pathway	Aurora B signaling; EGFR1 Signaling Pathway; ErbB1 downstream signaling; TNF-alpha/NF-kB Signaling Pathway

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Function

ATP binding; mitogen-activated protein kinase binding; phosphatidylethanolamine binding; receptor binding; serine-type endopeptidase inhibitor activity

**PDB rendering
based on 1a44.**

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA