

PEBP1 recombinant protein

PEBP1, 1-187aa, Human, E Coli

CATALOG # AAA48558	HOST E Coli	APPLICATIONS SDS-Page
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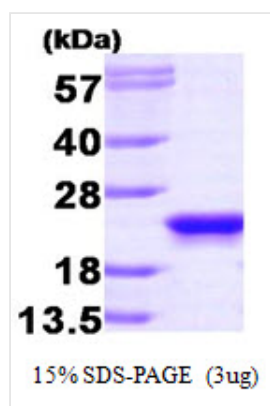
PRODUCT SYNONYMS

PEBP1; 1-187aa; Human; E Coli; Phosphatidylethanolamine binding protein 1; HCNP; PBP; PEBP; Phosphatidylethanolamine binding protein 1 Hippocampal cholinergic neurostimulating peptide; Neuropolypeptide h3; HCNPpp; PEBP 1; Phosphatidylethanolamine binding protein; Prostatic binding protein; R kip; Raf kinase inhibitory protein RKIP.; PEBP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MPVDLSKWSG PLSLQEVEQ PQHPLHVTYA GAAVDELGKV LTPTQVKNRP TSISWDGLDS GKLYTLVLTD PDAPSRKDPK YREWHHFLVV NMKGNDISSG TVLSDYVGSG PPKGTGLHRY VWLVYEQDRP LKCDEPILSN RSGDHRGKFK VASFRKKYEL RAPVAGTCYQ AEWDDYVPKL YEQLSGK
Sequence Length	187
Applicable Applications for PEBP1 recombinant protein	SDS-PAGE
Antigen Species	Human
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PEBP1 recombinant protein	Phosphatidylethanolamine binding protein 1 (PEBP1), also known as Raf kinase inhibitor protein (RKIP), 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. Recombinant human PEBP1 was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for PEBP1 recombinant protein	Proteases & Inhibitors
References	Keller ET., et al. (2004) Biochem Pharmacol. 68 (6):1049-53. ; Park S., et al. (2005) Oncogene. 24 (21):3535-40. ;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505621
NCBI GeneID	5037
NCBI Accession #	NP_002558
NCBI GenBank Nucleotide #	NM_002567.3
UniProt Accession #	P30086 ; B2R4S1
Molecular Weight	21 kDa (187aa), confirmed by MALDI-TOF.
NCBI Official Full Name	phosphatidylethanolamine-binding protein 1
NCBI Official Synonym Full Names	phosphatidylethanolamine binding protein 1
NCBI Official Symbol	PEBP1
NCBI Official Synonym Symbols	PBP; HCNP; PEBP; RKIP; HCNPpp; PEBP-1; HEL-210; HEL-S-34; HEL-S-96
NCBI Protein Information	phosphatidylethanolamine-binding protein 1
UniProt Protein Name	Phosphatidylethanolamine-binding protein 1
UniProt Gene Name	PEBP1
UniProt Synonym Gene Names	PBP; PEBP; PEBP-1; RKIP; HCNP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.