

Product information



PEBP1, 1-187 aa

Human, Recombinant, *E.coli*

Cat. No. IBATGP0382

Full name: Phosphatidylethanolamine binding protein 1

NCBI Accession No.: NP_002558

Synonyms: HCNP, PBP, PEBP

Description: 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.

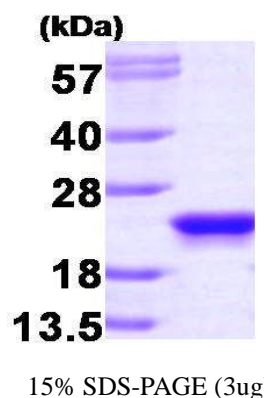
Form: Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol

Molecular Weight: 21 kDa (187aa)

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)



Sequences of amino acids:

MPVDLSKWSG PLSLQEVDEQ PQHPLHVTYA GAAVDELGKV LTPTQVKNRP TSI SWDGLDS GKLYTLVLTDPDAPSRKDPK YREWHHFLV
NMKGNDISSG TVLSDYVGSG PPKGTGLHRY VWLYEQDRP LKCEPILSN RSGDHRGKFK VASFRKYYEL RAPVAGTCYQ AEWDDYVPKL
YEQLSGK

General references:

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Keller ET., *et al.* (2004) *Biochem Pharmacol.* 68(6):1049-53.

Park S., *et al.* (2005) *Oncogene.* 24(21):3535-40.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

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