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# Recombinant human RKIP/PEBP1 protein

Catalog Number: ATGP0382

### **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

1-187aa

#### UniProt No.

P30086

#### **NCBI Accession No.**

NP 002558

#### **Alternative Names**

Phosphatidylethanolamine binding protein 1, PBP, Prostatic binding protein, RKIP, HCNP, HCNPpp, PEBP, Raf kinase inhibitory protein, Hippocampal cholinergic neurostimulating peptide

#### **PRODUCT SPECIFICATION**

# **Molecular Weight**

21 kDa (187aa) confirmed by MALDI-TOF

# Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

#### **Purity**

> 95% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

#### Tag

Non-Tagged

#### **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

# **BACKGROUND**

# **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



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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.

# **Amino acid Sequence**

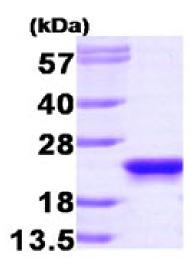
MPVDLSKWSG PLSLQEVDEQ PQHPLHVTYA GAAVDELGKV LTPTQVKNRP TSISWDGLDS GKLYTLVLTD PDAPSRKDPK YREWHHFLVV NMKGNDISSG TVLSDYVGSG PPKGTGLHRY VWLVYEQDRP LKCDEPILSN RSGDHRGKFK VASFRKKYEL RAPVAGTCYQ AEWDDYVPKL YEQLSGK

#### **General References**

Keller ET., et al. (2004) Biochem Pharmacol. 68(6):1049-53. Park S., et al. (2005) Oncogene. 24(21):3535-40.

### **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

