

Recombinant Mouse Pebp1 protein, His-tagged

Cat. No. Pebp1-55M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Pebp1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
Description	Pebp1 also known as Phosphatidylethanolamine-binding protein 1. The protein Binds with ATP, opioids and phosphatidylethanolamine. Pebp1 exerts inhibitory activity against several serine proteases including thrombin, neuropsin, and chymotrypsin, it also inhibits the kinase activity of RAF1 by inhibiting its activation and by dissociating the RAF1/MEK complex and acting as a competitive inhibitor of MEK phosphorylation. Also, targeting Pebp1 levels can delay photoreceptor degeneration, assisting in extending the time-window for treating such rapidly progressing blindness disorder.
Form	Liquid. In Phosphate Buffered Saline (pH7.4) containing 10% glycerol
Molecular Mass	23.2kDa (210aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMADISQ WAGPLCLQEV DEPPQHALRV DYAGVTVDL GKVLTPQTVM NRPSSISWDG LDPGKLYTLVLTDPDAPSRK DPKFREWHHF LVVNMKGNDI SSGTVLSDYV GSGPPSGTGL HRYVWLVYEQ EQPLSCDEPI LSNKSGDNRG KFKVETFRKKYNLGAPVAGT CYQAEWDDYV PKLYEQLSGK

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Purity	>95% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Absorbance at 280nm)
GENE INFORMATION	
Gene Name	Pebp1 phosphatidylethanolamine binding protein 1 [Mus musculus]
Official Symbol	Pebp1
Synonyms	PEBP1; phosphatidylethanolamine binding protein 1; phosphatidylethanolamine-binding protein 1; HCNPpp; PEBP-1; Raf-1 kinase inhibitor protein; Pbp; HCNP; Pbp1; Pbpr; Rkip; MGC102065; MGC103131;
Gene ID	23980
mRNA Refseq	NM_018858
Protein Refseq	NP_061346
MIM	
UniProt ID	
Pathway	EGFR1 Signaling Pathway, organism-specific biosystem; TNF-alpha NF-kB Signaling Pathway, organism-specific biosystem;
Function	ATP binding; kinase binding; lipid binding; mitogen-activated protein kinase binding;

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nucleotide binding; peptidase inhibitor activity; protein kinase binding; receptor binding; serine-type endopeptidase inhibitor activity;

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