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 agai nst several serine proteases including thrombin, neuropsin, and chymotrypsin, it also i nhibits the kinase activity of RAF1 by inhibiting its activation and by dissociating the R AF1/MEK complex and acting as a competitive inhibitor of MEK phosphorylation. Als o, targeting Pebp1 levels can delay photoreceptor degeneration, assisting in extendin g 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 MGSMAADISQ WAGPLCLQEV DEPPQHALRV DYAGVTVDEL GKVLTPTQVM 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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