

Pebp1, 1-187aa, Mouse, His tag, E.coli

Cat.NO.: TP03343

3th Edition

Synonyms:HCNP, Pbp, Pbp1, Pbqr, Rkip

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. Recombinant mouse Pebp1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH7.4) containing 10% glycerol

Molecular Weight:23.2kDa (210aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSM AADISQWAGPLCLQEVD EPPQHALRVDYAGVTVD ELGKVLTP TQVMNRP
SSISWDGLDPGKLYTLVLTDPDAPSRKDPKFWHFLVVMKGN DISSGTVLSDYVGS GPPSGTGLHRYVWL VY
EQEQPLSCDEPILSNKSGDNRGKFKVETFRKKYNL GAPVAGTCYQAEWDDYVPKLYEQLSGK

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Absorbance at 280nm)

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

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.