

Recombinant human MAPRE2 protein

Catalog Number: ATGP1213

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-327aa

UniProt No.

Q15555

NCBI Accession No.

NP_055083.1

Alternative Names

Microtubule-associated protein RP/EB family member 2, Microtubule-associated protein, RP/EB family member 2, EB1, EB2, RP1

PRODUCT SPECIFICATION

Molecular Weight

39.1 kDa (347aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

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

MAPRE2, also known as RP1 or EB2, is evolutionarily conserved proteins, which associate with the tips of growing microtubules, and regulate microtubule dynamics and their interactions with intracellular structures. It has been shown that EB proteins regulate microtubule function through CLIP proteins. Recombinant human MAPRE2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Recombinant human MAPRE2 protein

Catalog Number: ATGP1213

Amino acid Sequence

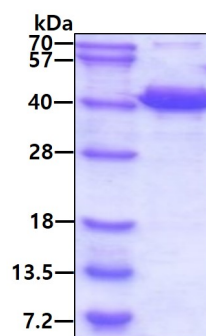
<MGSSHHHHH SSGLVPRGSH> MPGPTQTLSP NGENNDIIQ DNNGTIIPFR KHTVRGERSY SWGMAVNVYS
TSITQETMSR HDIIAWVNDI VSLNYTKVEQ LCSGAAYCQF MDMLFPGCIS LKKVKFQAKL EHEYIHNFKL LQASFKRMNV
DKVIPVEKLV KGRFQDNLDF IQWFKKFYDA NYDGKEYDPV EARQGQDAIP PPDPGEQIFN LPKKSHHANS PTAGAAKSSP
AAKPGSTPSR PSSAKRASSS GSASKSDKDL ETQVIQLNEQ VHSLKLALEG VEKERDFYFG KLREIELLCQ EHGQENDDLV
QRLMDILYAS EEHEGHTEEP EAEEQAHEQQ PPQEEY

General References

Renner C., et al. (1997) J. Immunol. 159:1279-1283
Bu W., et al. (2003) J. Biol. Chem. 278:49721-49731

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain