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# Recombinant human MAPRE2 protein

Catalog Number: ATGP1213

## **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

1-327aa

#### **UniProt No.**

015555

### **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.



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# **Amino acid Sequence**

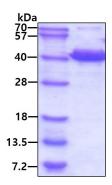
<MGSSHHHHHH SSGLVPRGSH> MPGPTQTLSP NGENNNDIIQ DNNGTIIPFR KHTVRGERSY SWGMAVNVYS TSITQETMSR HDIIAWVNDI VSLNYTKVEQ LCSGAAYCQF MDMLFPGCIS LKKVKFQAKL EHEYIHNFKL LQASFKRMNV DKVIPVEKLV KGRFQDNLDF IQWFKKFYDA NYDGKEYDPV EARQGQDAIP PPDPGEQIFN LPKKSHHANS PTAGAAKSSP AAKPGSTPSR PSSAKRASSS GSASKSDKDL ETQVIQLNEQ VHSLKLALEG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

#### **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**



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

