

# Recombinant Human Microtubule-Associated Protein, RP/EB Family, Member 2, His-tagged

Cat. No. MAPRE2-6865H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human MAPRE2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography. MW: 39.2 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-327aa
<b>Description</b>	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.
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT.
<b>Molecular Mass</b>	39.2 kDa (347aa), confirmed by MALDI-TOF.
<b>AA Sequence</b>	MGSSHHHHHH SGLVPRGSH 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 VHSLKLALLEG VEKERDFYFG KLREIELLCQ

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EHGQENDDLV QRLMDILYAS EEHEGHTTEEP EAEEQAHEQQ PPQQEYY

**Purity** >85% by SDS - PAGE

**Applications** SDS-PAGE

**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.

**Concentration** 1 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [MAPRE2 microtubule-associated protein, RP/EB family, member 2 \[ Homo sapiens \]](#)

**Official Symbol** MAPRE2

**Synonyms** MAPRE2; microtubule-associated protein, RP/EB family, member 2; microtubule-associated protein RP/EB family member 2; APC binding protein EB1; EB1; EB2; RP1; end-binding protein 2; APC-binding protein EB1; APC-binding protein EB2; T-cell activation protein, EB1 family;

**Gene ID** [10982](#)

**mRNA Refseq** [NM\\_001143826](#)

**Protein Refseq** [NP\\_001137298](#)

**MIM** [605789](#)

**UniProt ID** [Q15555](#)

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<b>Chromosome Location</b>	18q12.1
<b>Function</b>	microtubule binding;

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