

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	1-327aa
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT.
Molecular Mass	39.2 kDa (347aa), confirmed by MALDI-TOF.
AA 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 VHSLKLALLEG VEKERDFYFG KLREIELLCQ

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EHGQENDDLV QRLMDILYAS EEHEGHTTEP EAEEQAHEQQ PPQQEY

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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Chromosome Location	18q12.1
Function	microtubule binding;