9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-4170: Recombinant Human Microtubule-Associated Protein, RP/EB Family, Member 2

Alternative Name : Microtubule-associated protein RP/EB family member 2,APC-binding protein EB2,End-binding protein 2,EB2,MAPRE2,RP1,EB1.

Description

Source : Escherichia Coli. MAPRE2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 347 amino acids (1-327 a.a.) and having a molecular mass of 39.2kDa.MAPRE2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. MAPRE2 (RP1 or EB2) is an evolutionarily conserved protein, which associates with the tips of growing microtubules, and regulates microtubule dynamics and their interactions with intracellular structures. The EB proteins regulate microtubule function through CLIP proteins. MAPRE2 shares noteworthy homology to the adenomatous polyposis coli (APC) protein-binding EB1 gene family. MAPRE2 is necessary for spindle symmetry during mitosis. MAPRE2 is believed to have a role in the tumorigenesis of colorectal cancers and the proliferative control of normal cells.

Product Info

Amount :	20 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	MAPRE2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.