

Microtubule-Associated Recombinant Protein | MAPRE1 recombinant protein

Recombinant Human Microtubule-Associated Protein, RP/EB Family, Member 1

CATALOG # AAA38965	HOST Escherichia Coli
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PRODUCT SYNONYMS

Microtubule-Associated; Recombinant Human Microtubule-Associated Protein; RP/EB Family; Member 1; MAPRE1 Human; Microtubule-Associated Protein; Member 1 Human Recombinant; Microtubule-associated protein RP/EB family member 1; APC-binding protein EB1; End-binding protein 1; EB1; MAPRE1; MGC117374; MGC129946; MAPRE1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Escherichia Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	The MAPRE1 solution (0.5 mg/ml) 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.
Sequence	MGSSHHH HHHSSGLVPR GSHMAV NVYSTSVTSD NLSRHDMLAW INESLQLNLT KIEQLCSGAA YCQFMDMLFP GSIALKKVKF QAKLEHEYIQ NFKILQAGFK RMGVDKIIPV DKLVKGKFQD NFEFVQWFKK FFDANYDGKD YDPVAARQQG ETAVAPSLVA PALNPKKKPL TSSSAAPQRP ISTQRTAAAP KAGPGVVRKN PGVGNGDDEA AELMQQVNVL KLTVEDLEKE RDFYFGKLRN IELICQENEG ENDPVLQRIV DILYATDEGF VIPDEGGPQE EQEY
Sequence Length	268
Physical Appearance	Sterile filtered colorless solution
Preparation and Storage	Store at 4°C if entire vial will be used with 2-4 weeks. Store, frozen at - 20°C for longer periods of time. For longer storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for MAPRE1 recombinant protein	Description: MAPRE1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E Coli is a single, non-glycosylated, polypeptide chain containing 288 amino acids (1-268 a.a.) and having a molecular mass of 32.2kDa. The MAPRE1 is purified by proprietary chromatographic techniques. Introduction: MAPRE1 (EB1) is a member of the intermediate/early gene family. MAPRE1 was first identified by its binding to the APC protein, which is often mutated in familial and sporadic, forms of colorectal cancer. MAPRE1 localizes to microtubules, especially the growing ends, in interphase cells. During mitosis, MAPRE1 is associated with the centrosomes and spindle microtubules. MAPRE1 is involved in microtubule polymerization, and spindle function by stabilizing microtubules and anchoring them at centrosomes.
Product Categories/Family for MAPRE1 recombinant protein	Recombinant & Natural Proteins; Recombinant Proteins; Microtubule-Associated Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912494
NCBI GeneID	22919
NCBI Accession #	NP_036457.1

NCBI GenBank Nucleotide #	NM_012325.2
UniProt Accession #	Q15691 ; Q3KQS8 ; B2R6I7 ; E1P5M8
Molecular Weight	29,999 Da
NCBI Official Full Name	microtubule-associated protein RP/EB family member 1
NCBI Official Synonym Full Names	microtubule-associated protein, RP/EB family, member 1
NCBI Official Symbol	MAPRE1
NCBI Official Synonym Symbols	EB1
NCBI Protein Information	microtubule-associated protein RP/EB family member 1; APC-binding protein EB1; adenomatous polyposis coli-binding protein EB1; end-binding protein 1
UniProt Protein Name	Microtubule-associated protein RP/EB family member 1
UniProt Gene Name	MAPRE1
UniProt Synonym Gene Names	EB1
UniProt Entry Name	MARE1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mapre1-recombinant-protein-escherichia-coli/38965>