

Recombinant Human MAPRE1, His-tagged

Cat. No. MAPRE1-29128TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MAPRE1 with an N terminal His tag; 288 amino acids with tag, Predicted MWt 32.2kDa.
Species	Human
Source	E.coli
ProteinLength	268 amino acids
Description	The protein encoded by this gene was first identified by its binding to the APC protein which is often mutated in familial and sporadic forms of colorectal cancer. This protein localizes to microtubules, especially the growing ends, in interphase cells. During mitosis, the protein is associated with the centrosomes and spindle microtubules. The protein also associates with components of the dynactin complex and the intermediate chain of cytoplasmic dynein. Because of these associations, it is thought that this protein is involved in the regulation of microtubule structures and chromosome stability. This gene is a member of the RP/EB family.
Conjugation	HIS
Molecular Weight	32.200kDa inclusive of tags
Tissue specificity	Ubiquitously expressed.
Form	Liquid

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 2mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMAVNVYSTSVTSDNLSRHDMLAWINESLQLNLTKIE QLCSGAAYCQFMDMLFPGSIALKKVKFQAKLEHEYIQNFKILQAGFKRMGVDKIIPVD KLVKGKFQDNFEFVQWFKKFFDANYDGKDYDPVAARQGQETAVAPSLVAPALNKP KKPLTSSSAAPQRPISQTQRTAAAPKAGPGVVRKNPGVGNNGDDEAAELMQQVNVLKL TVEDLEKERDFYFGKLRNIELICQENEGENDPVLQRIVDILYATDEGFVIPDEGGPQE EQEEY
Sequence Similarities	Belongs to the MAPRE family. Contains 1 CH (calponin-homology) domain. Contains 1 EB1 C-terminal domain.

GENE INFORMATION

Gene Name	MAPRE1 microtubule-associated protein, RP/EB family, member 1 [Homo sapiens]
Official Symbol	MAPRE1
Synonyms	MAPRE1; microtubule-associated protein, RP/EB family, member 1; microtubule-associated protein RP/EB family member 1; adenomatous polyposis coli binding protein EB1; EB1;
Gene ID	22919
mRNA Refseq	NM_012325

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_036457
MIM	603108
Uniprot ID	Q15691
Chromosome Location	20q11.1-q11.3
Pathway	Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; DNA Replication, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Loss of Nlp from mitotic centrosomes, organism-specific biosystem;
Function	microtubule plus-end binding; protein C-terminus binding; protein binding;

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA