

## Product datasheet for **AR09791PU-L**

### MAPRE1 (1-268, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	MAPRE1 (1-268, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MAVNVYSTSV TSDNLSRHDM LAWINESLQL NLTKIEQLCS GAAYCQFMDM LFPGSIALKK VKFQAKLEHE YIQNFKILQA GFKRMGVDKI IPVDKLVK GK FQDNFEFVQW FKKFFDANYD GKDYDPVAAR QGQETAVAPS LVAPALNKPK KPLTSSSAAP QRPSTQRTA AAPKAGPGVV RKNPGVGN GD DEAAELMQQV NVLKLTVEDL EKERDFYFGK LRNIELICQE NEGENDPVLQ RIVDILYATD EGFVIPDEGG PQEEQEEY
Tag:	His-tag
Predicted MW:	32.2 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol.
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MAPRE1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_036457</u>
Locus ID:	22919
UniProt ID:	<u>Q15691</u>
Cytogenetics:	20q11.21
Synonyms:	EB1



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**Summary:**

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. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome

**Product images:**