

AR09791PU-N

Human MAPRE1 (1-268, His-tag) - Purified

Alternate names:	APC-binding protein EB1, End-binding protein 1, Microtubule-associated protein RP/EB family member 1
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	MAPRE1, also known as EB1, belongs to the intermediate/early gene family. This protein first identified by its binding to the APC protein which is often mutated in familial and sporadic forms of colorectal cancer. It localizes to microtubules, especially the growing ends, in interphase cells. During mitosis, the protein 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.
Uniprot ID:	Q15691
NCBI:	NP_036457
GenelD:	22919
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl
Description:	Recombinant human MAPRE1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHHH SSGLVPRGSH MAVNVYSTSV TSDNLSRHDM LAWINESLQL NLTKIEQLCS GAAYCQFMDM LFPGSIALKK VKFQAKLEHE YIQNFKILQA GFKRMGVDKI IPVDKLVK GK FQDNFEFVQW FKKFFDANYD GKDYDPVAAR QGQETAVAPS LVAPALNPKP KPLTSSSAAP QRPISTQRTA AAPKAGPGVV RKNPGVGNGD DEAAELMQQV NVLKLTVEDL EKERDFYFGK LRNIELICQE NEGENDPVLQ RIVDILYATD EGFVIPDEGG PQEEQEEY Molecular weight: 32.2 kDa (288aa) confirmed by MALDI-TOF
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. Shelf life: one year from despatch.
General Readings:	Zhang T., et al. (2009) J Cell Sci. 122(Pt 9):1401-9. Tirnauer JS., et al. (2002) Mol Biol Cell. 13(10):3614-26.

Pictures:

Recombinant human MAPRE1, 1-268 aa,
His-tagged

