

MAPRE1 recombinant protein

MAPRE1, 1-268aa, Human, His tag, E Coli

CATALOG # AAA48680	HOST E Coli	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

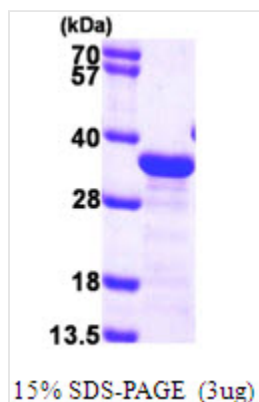
PRODUCT SYNONYMS

MAPRE1; 1-268aa; Human; His tag; E Coli; Microtubule-associated protein RP/EB family member 1.; EB1; MGC117374; MGC129946; MAPRE1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol 2mM DTT, 0.1M NaCl.
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MAVNVYSTSV TSDNLSRHDM LAWINESLQL NLTKIEQLCS GAAYCQFMDM LFPGSIALKK VKFQAKLEHE YIQNFKILQA GFKRMGVDKI IPVDKLVKGK FQDNFEFVQW FKKFFDANYD GKDYPDVAAR QGQETAVAPS LVAPALNPKP KPLTSSSAAP QRPISTQRTA AAPKAGPGVV RKNPGVGNGD DEAAELMQQV NVLKLTVEDL EKERDFYFGK LRNIELICQE NEGENDPVLQ RIVDILYATD EGFVIPDEGG PQEEQEEY
Sequence Length	268
Applicable Applications for MAPRE1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MAPRE1 recombinant protein	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. Recombinant human MAPRE1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for MAPRE1 recombinant protein	Cytoskeleton
References	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.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912494
NCBI GeneID	22919
NCBI Accession #	NP_036457
NCBI GenBank Nucleotide #	NM_012325.2
UniProt Accession #	Q15691; Q3KQS8; B2R6I7; E1P5M8
Molecular Weight	32.2 kDa (288aa) confirmed by MALDI-TOF
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
UniProt Protein Name	Microtubule-associated protein RP/EB family member 1
UniProt Gene Name	MAPRE1
UniProt Synonym Gene Names	EB1

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.