

Recombinant Human MAPRE3, His-tagged

Cat. No. MAPRE3-2838H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanMAPRE3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW = 34.1 kDa (301aa) confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	MAPRE1 is a microtubule associated protein that interacts with the colorectal adenomatous polyposis coli tumor suppressor protein and plays important roles in regulating microtubule dynamics, cell polarity, and chromosome stability. This protein is related to MAPRE1 and likewise associates with the microtubule cytoskeleton. MAPRE3 is expressed predominantly in the central nervous system and preferentially associates with APCL, a homolog of the adenomatous polyposis coli tumor suppressor protein.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MAVNVYSTSV TSENLSRHDM LAWVNDLHL NYTKIEQLCS GAAYCQFMDM LFGPCVHLRK VKFQAKLEHE YIHNFKVLQA AFKKMGVDKI IPVEKLVKGG FQDNFEFIQW FKKFFDANYD GKDYNP LLAR QGQDVAPPPN PGDQIFNKSK KLIGTAVPQR TSPTGPKNMQ TSGRLSNVAP PCILRKNPPS ARNGGHETDA QILELNQQLV DLKLTVDGLE KERDFYFSKL RDIELICQEH ESENSPVISG IIGILYATEE GFAPPEDDEI EEHQQEDQDE Y
Purity	> 90% by SDS – PAGE.

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Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 2mM DTT, 0.1M NaCl.
Concentration	1 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	MAPRE3 microtubule-associated protein, RP/EB family, member 3 [Homo sapiens]
Synonyms	MAPRE3; microtubule-associated protein, RP/EB family, member 3; EB3; RP3; EBF3; EBF3-S; microtubule-associated protein RP/EB family member 3; OTTHUMP00000200910; APC binding protein; end-binding protein 3; EB1 protein family member 3
Gene ID	22924
mRNA Refseq	NM_012326
Protein Refseq	NP_036458
MIM	605788
UniProt ID	Q9UPY8
Chromosome Location	2p23.3-p23.1
Function	microtubule binding; protein binding; small GTPase regulator activity

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