Recombinant Human MAPRE3, His-tagged

Cat. No. MAPRE3-27027TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human EB3 (aa 1-281), with N terminal His tag; 301 aa inclusive of tag, 34.1 kDa.
Species	Human
Source	E.coli
ProteinLength	281 amino acids
Description	The protein encoded by this gene is a member of the RP/EB family of genes.The protein localizes to the cytoplasmic microtubule network and binds APCL, a homolog of the adenomatous polyposis coli tumor suppressor gene.
Conjugation	HIS
Molecular Weight	34.100kDa inclusive of tags
Tissue specificity	Predominantly expressed in brain and muscle.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris HCl, 2mM DTT, 100mM Sodium chloride, pH 8

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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	MGSSHHHHHH SSGLVPRGSH MAVNVYSTSV TSENLSRHDM LAWVNDSLHL NYTKIEQLCS GAAYCQFMDM LFPGCVHLRK VKFQAKLEHE YIHNFKVLQA AFKKMGVDKI IPVEKLVKGK FQDNFEFIQW FKKFFDANYD GKDYNPLLAR QGQDVAPPPN PGDQIFNKSK KLIGTAVPQR TSPTGPKNMQ TSGRLSNVAP PCILRKNPPS ARNGGHETDA QILELNQQLV DLKLTVDGLE KERDFYFSKL RDIELICQEH ESENSPVISG IIGILYATEE GFAPPEDDEI EEHQQEDQDE Y
Sequence Similarities	Belongs to the MAPRE family.Contains 1 CH (calponin-homology) domain.Contains 1 EB1 C-terminal domain.

GENE INFORMATION

Gene Name	MAPRE3 microtubule-associated protein, RP/EB family, member 3 [Homo sapiens]
Official Symbol	MAPRE3
Synonyms	MAPRE3; microtubule-associated protein, RP/EB family, member 3; microtubule-associated protein RP/EB family member 3; EB3; RP3;
Gene ID	22924
mRNA Refseq	NM_012326
Protein Refseq	NP_036458
MIM	605788
Uniprot ID	Q9UPY8

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Chromosome Location	2p23.3-p23.1
Function	microtubule binding; protein binding; small GTPase regulator activity;

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