

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: None Constituents: 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 LAWVNDLHL NYTKIEQLCS GAAYCQFMDM LFPGCVHLRK VKFQAKLEHE YIHNFKVLQA AFKKMGVDKI IPVEKLVK GK FQDNFEFIQW FKKFFDANYD GKDYNP LLAR QGQDVAPPPN PGDQIFNKS K 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;