

Recombinant Human MAPRE2, His-tagged

Cat. No. MAPRE2-27378TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human EB2 with a N terminal His tag. 347 amino acids with a predicted MWt 39.2 kDa including tag.
Species	Human
Source	E.coli
ProteinLength	327 amino acids
Description	The protein encoded by this gene shares significant homology to the adenomatous polyposis coli (APC) protein-binding EB1 gene family. The function of this protein is unknown; however, its homology suggests involvement in tumorigenesis of colorectal cancers and proliferative control of normal cells. This gene may belong to the intermediate/early gene family, involved in the signal transduction cascade downstream of the TCR. Alternative splicing results in multiple transcript variants.
Conjugation	HIS
Molecular Weight	39.200kDa inclusive of tags
Tissue specificity	Expressed in different tumor cell lines. Up-regulated in activated B- and T-lymphocytes.
Form	Liquid

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Purity	by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 20% Glycerol, 0.58% Sodium chloride, 0.02% DTT
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	<p>MGSSHHHHHHSSGLVPRGSHMPGPTQTLSPNGENNNNDIIQDNNGTIIPFRKHTVRG ERSYSWGMVNVYSTSITQETMSRHDIIAWVNDIVSLNYTKVEQLCSGAAYCQFMD MLFPGCISLKKVKFQAKLEHEYIHNFKLLQASFKRMNVDKVIPVEKLVKGRFQDNLDF IQWFKKFYDANYDGKEYDPVEARQQQDAIPPPDPGEQIFNLPKKSHHANSPTAGAA KSSPAAPGSPSRPSSAKRASSSGSASKSDKDLETQVIQLNEQVHSLKLALEGVEK ERDFYFGKLR EIELLCQEHEGQENDDLQRLMDILYASEEHEGHTEEPEAEEQAHEQ QPPQQEEY</p>
Sequence Similarities	Belongs to the MAPRE family. Contains 1 CH (calponin-homology) domain. Contains 1 EB1 C-terminal domain.
GENE INFORMATION	
Gene Name	MAPRE2 microtubule-associated protein, RP/EB family, member 2 [Homo sapiens]
Official Symbol	MAPRE2
Synonyms	MAPRE2; microtubule-associated protein, RP/EB family, member 2; microtubule-associated protein RP/EB family member 2; APC binding protein EB1; EB1; EB2; RP1;
Gene ID	10982

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mRNA Refseq	NM_001143826
Protein Refseq	NP_001137298
MIM	605789
Uniprot ID	Q15555
Chromosome Location	18q12.1
Function	microtubule binding;

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