

AR09684PU-L

Human MAPRE3 (1-281, His-tag) - Purified

Alternate names:

EB1 protein family member 3, EB3, End-binding protein 3, Microtubule-associated protein RP/EB family member 3, RP3

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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 APC, a homolog of the adenomatous polyposis coli tumor suppressor protein.

Uniprot ID:

[Q9UPY8](#)

NCBI:

[NP_036458](#)

GeneID:

[22924](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl

Description:

Recombinant human MAPRE3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MAVNVYSTSV TSENLSRHDM LAWVNDLHL NYTKIEQLCS
GAAYCQFMDM LFGCVHLRK VKFQAKLEHE YIHNFKVLQA AFKKMGVDKI IPVEKLVKGG
FQDNFEFIQW FKKFFDANYD GKDYNPLLAR QGQDVAPPPN PGDQIFNKSK KLIGTAVPQR
TSPTGPKNMQ TSGRLSNVAP PCILRKNPPS ARNGGHETDA QILELNQQLV DLKLTVDGLE
KERDFYFSKL RDIELICQEH ESENSPVISG IIGILYATEE GFAPPEDDEI EEHQEDQDE Y
Molecular weight: 34.1 kDa (301aa)) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Bu W., et al. (2003) J Biol Chem. 278(50):49721-31.

Pictures:

Recombinant human MAPRE3, 1-281 aa,
His-tagged

