

MAPRE2, 1-327aa, Human, His tag, E.coli

Cat.NO.: TP02911

3th Edition

Synonyms:Microtubule-associated protein, RP/EB family member 2, EB1, EB2, RP1.

Description:MAPRE2, also known as RP1 or EB2, is evolutionarily conserved proteins, which associate with the tips of growing microtubules, and regulate microtubule dynamics and their interactions with intracellular structures. It has been shown that EB proteins regulate microtubule function through CLIP proteins. Recombinant human MAPRE2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Molecular Weight:39.2 kDa (347aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMPGPTQTLSPNGENNDIIQDNNGTIIPFRKHTVRGERSYSWGMAVNVYSTSITQ
ETMSRHDIIAWVNDIVSLNYTKVEQLCSGAAYCQFMDMLFPGCISLKKVKFQAKLEHEYIHNFKLLQASFKRMNVDK
VIPVEKLVKGRFQDNLDIFIQWFKKFYDANYDGKEYDPVEARQGQDAIPPPDPGEQIFNLPKKSHHANSPTAGAAKS
SPAAPKPGSTPSRPSSAKRASSSGSASKSDKDLETQVIQLNEQVHSLKLALEGVEKERDFYFGKLRREIELLCQEHGQ
ENDDLVRQLMDILYASEEHGHTEEPEAEEQAHEQQPPQEEY

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.