

MAPRE1, 1-268aa, Human, His tag, E.coli

Cat.NO.: TP02910

3th Edition

Synonyms:Microtubule-associated protein, RP/EB family, member 1, EB1, MGC117374, MGC129946.

Description:MAPRE1, also known as EB1, belongs to the intermediate/early gene family. This protein first identified by its binding to the APC protein which is often mutated in familial and sporadic forms of colorectal cancer. It localizes to microtubules, especially the growing ends, in interphase cells. During mitosis, the protein is associated with the centrosomes and spindle microtubules.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol 2mM DTT, 0.1M NaCl.

Molecular Weight:32.2 kDa (288aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMAVNVYSTSVTSDNLSRHDMLAWINESLQLNLTKIEQLCSGAAYCQFMDMLFPG
SIALKKVKFQAKLEHEYIQNFKILQAGFKRMGVDKIIPVDKLVKGFQDNFEFVQWFKKFFDANYDGKDYDPVAARQ
GQETAVAPSLVAPALNKPKPLTSSSAAPQRPISRTAAAPKAGPGVVRKNPGVGNDDDEAAELMQQVNVLKL
VEDLEKERDFYFGKLRNIELICQENEGENDPVLQRIVDILYATDEGFVIPDEGGPQEEQEEY

Purity:> 95% by HPLC

Concentration:0.5 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.