

## 32-4171: Recombinant Human Microtubule-Associated Protein, RP/EB Family, Member 3

**Alternative Name :** RP3,EB3,EBF3,End-binding protein 3,EBF3-S,APC binding protein.

### Description

Source : Escherichia Coli. MAPRE3 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 301 amino acids (1-281a.a.) and having a molecular mass of 34.1kDa. MAPRE3 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. MAPRE3 is a microtubule related protein that cooperates with the colorectal adenomatous polyposis coli tumor suppressor protein and takes a curtail part in regulating microtubule dynamics, cell polarity, and chromosome stability. MAPRE3 protein is related to MAPRE1 and also associates with the microtubule cytoskeleton. MAPRE3 is expressed mainly in the central nervous system and specially associates with APCL, a homolog of the adenomatous polyposis coli tumor suppressor protein.

### Product Info

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|----------------------------|--|
| <b>Amount :</b>            | 20 µg  |
| <b>Purification :</b>      | Greater than 90% as determined by SDS-PAGE.  |
| <b>Content :</b>           | The MAPRE3 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH 8.0) 2mM DTT, 0.1M NaCl and 10% glycerol.  |
| <b>Storage condition :</b> | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.   |
| <b>Amino Acid :</b>        | MGSSHHHHHH SSGLVPRGSH MAVNVYSTSV TSENLSRHDM LAWVNDSLHL NYTKIEQLCS<br>GAAYCQFMMDM LFPGCVHLRK VKFQAKLEHE YIHNFKVLQA AFKKMGVDKI IPVEKLVKGK<br>FQDNFEFIQW FKKFFDANYD GKDYNPLLAR QGQDVAPPPN PGDQIFNKSK KLIGTAVPQR<br>TSPTGPKNMQ TSGRLSNVAP PCILRKNPPS ARNGGHETDA QILELNQQLV DLKLTVDGLE<br>KERDFYFSKL RDIELICQEH ESENSPVISG IIGILYATEE GFAPPEDDEI EEHQQEDQDE Y |

