

## MAPRE3 Human

**Description:** 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.

**Catalog #:** PRPS-271

For research use only.

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

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MAVNVYSTSV TSENLSRHDM  
LAWVNDLHL NYTKIEQLCS GAAVCQFMDM LFPGCVHLRK VKFQAKLEHE YIHNFKVLQA  
AFKKMGVDKI IPVEKLVKGG FQDNFEFIQW FKKFFDANYD GKDYNPILLAR QGQDVAPPPN  
PGDQIFNKSK KLIGTAVPQR TSPTGPKNMQ TSGRLSNVAP PCILRKNPPS ARNGGHETDA  
QILELNQQLV DL

**Purity:** Greater than 90% as determined by SDS-PAGE.

### Formulation:

The MAPRE3 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH 8.0) 2mM DTT, 0.1M NaCl and 10% glycerol.

### Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

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.

### Storage:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

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