
Product Data Sheet

Product Name: MAPRE1 Human
 Cat. No.: GP23881
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Microtubule-associated protein RP/EB family member 1; APC-binding protein EB1; End-binding protein 1; EB1; MAPRE1; MGC117374; MGC129946.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAVNVYSTSV TSDNLSRHDM LAWINESLQL NLTKIEQLCS GAAYCQFMDM LFPGSIALKK VKFQAKLEHE YIQNFKILQA GFKRMGVDKI IPVDKLVKGGK FQDNFEFVQW FKKFFDANYD GKDYDPVAAR QGQETAVAPS LVAPALNPKK KPLTSSSAAP QRPSTQRTA AAPKAGPGVV RKNPGVGNNGD DEAAELMQQV NVLKLTVEDL EKERDFYFGK LRNIELICQE NEGENDPVLQ RIVDILYATD EGFVIPDEGG PQEEQEEY.		
Formulation	The MAPRE1 solution (0.5 mg/ml) 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.		

Introduction

MAPRE1 (EB1) is a member of the intermediate/early gene family. MAPRE1 was first identified by its binding to the APC protein, which is often mutated in familial and sporadic, forms of colorectal cancer. MAPRE1 localizes to microtubules, especially the growing ends, in interphase cells. During mitosis, MAPRE1 is associated with the centrosomes and spindle microtubules. MAPRE1 is involved in microtubule polymerization, and spindle function by stabilizing microtubules and anchoring them at centrosomes.

Stability

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

MAPRE1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 288 amino acids (1-268 a.a.) and having a molecular mass of 32.2kDa. The MAPRE1 is purified by proprietary chromatographic techniques.

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