9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MAPRE1 Human

Microtubule-Associated Protein, RP/EB Family, Member 1 Human Recombinant RCP1319

Product Overview

Name	MAPRE1 Human

Description

Microtubule-Associated Protein, RP/EB Family, Member 1 Human Recombinant

Accession (Primary)	Q15691

Synonyms

Microtubule-associated protein RP/EB family member 1, APC-binding protein EB1, End-binding protein 1, EB1, MAPRE1, MGC117374, MGC129946.

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The MAPRE1 solution (0.5 mg/ml) 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MAVNVYSTSV TSDNLSRHDM LAWINESLQL NLTKIEQLCS GAAYCQFMDM LFPGSIALKK VKFQAKLEHE YIQNFKILQA GFKRMGVDKI IPVDKLVKGK FQDNFEFVQW FKKFFDANYD GKDYDPVAAR QGQETAVAPS LVAPALNKPK KPLTSSSAAP QRPISTQRTA AAPKAGPGVV RKNPGVGNGD

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

DEAAELMQQV NVLKLTVEDL EKERDFYFGK LRNIELICQE NEGENDPVLQ RIVDILYATD EGFVIPDEGG PQEEQEEY.

Precautions

MAPRE1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q15691)