
Product Data Sheet

Product Name: MAPRE3 Human
 Cat. No.: GP23883
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	RP3; EB3; EBF3; End-binding protein 3; EBF3-S; APC binding protein.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAVNVYSTSV TSENLSRHDM LAWVNDLHL NYTKIEQLCS GAAYCQFMDM LFPGCVHLRK VKFQAKLEHE YIHNFKVLQA AFKKMGVDKI IPVEKLVKGGK FQDNFEFIQW FKKFFDANYD GKDYNP LLAR QGQDVAPPPN PGDQIFNKS K KLIGTAVPQR TSPTGPKNMQ TSGRLSNVAP PCILRKNPPS ARNGGHETDA QILELNQQLV DLKLTVDGLE KERDFYFSKL RDIELICQEH ESENSPVISG IIGILYATEE GFAPPEDDEI EEHQQEDQDE Y		
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.		

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.

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. Please avoid freeze thaw cycles.

Background

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

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

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to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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