

Product datasheet for **TP300863M**

RMND5B (NM_022762) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human required for meiotic nuclear division 5 homolog B (S. cerevisiae) (RMND5B), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200863 protein sequence Red =Cloning site Green =Tags(s)

MEQCACVERELDKVLQKFLTYGQHCCERSLEELLHYVGQLRAELASAALQGTPLSATLSLVMSQCCRKIKD
TVQKLASDHKDIHSSVSRVGKAIDRNFSEICGVVSDAVWDAREQQQILQMAIVEHLYQQGMLSVAAEEL
CQESTLNVDLDFKQPFLELNRIEALHEQDLGPALEWAVSHRQRLELNSSLEFKLHRLHFIRLLAGGPA
KQLEALSARHFQPFARLHQREIQVMMGSLVYLRGLGLEKSPYCHLLDSSHWAEICETFTRDACSLLGLSV
ESPLSVSFASGCVALPVLMMNIKAVIEQRQCTGVWNHKDELPIEIELGMKCWYHSVFACPIRQQTSDSNP
PIKLCIGHVISRDALNKLINGGKLCPCYCPMEQNPADGKRIIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	44.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_073599</u>



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Locus ID: 64777
UniProt ID: [Q96G75](#)
RefSeq Size: 1984
Cytogenetics: 5q35.3
RefSeq ORF: 1179
Synonyms: GID2; GID2B

Summary: Core component of the CTLH E3 ubiquitin-protein ligase complex that selectively accepts ubiquitin from UBE2H and mediates ubiquitination and subsequent proteasomal degradation of the transcription factor HBP1. MAEA and RMND5A are both required for catalytic activity of the CTLH E3 ubiquitin-protein ligase complex (PubMed:29911972). Catalytic activity of the complex is required for normal cell proliferation (PubMed:29911972). The CTLH E3 ubiquitin-protein ligase complex is not required for the degradation of enzymes involved in gluconeogenesis, such as FBP1 (PubMed:29911972).[UniProtKB/Swiss-Prot Function]

Protein Families: Stem cell - Pluripotency

Product images:



Coomassie blue staining of purified RMND5B protein (Cat# [TP300863]). The protein was produced from HEK293T cells transfected with RMND5B cDNA clone (Cat# [RC200863]) using MegaTran 2.0 (Cat# [TT210002]).