

## Product datasheet for TP300863M

## OriGene Technologies, Inc.

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## 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** >RC200863 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MEQCACVERELDKVLQKFLTYGQHCERSLEELLHYVGQLRAELASAALQGTPLSATLSLVMSQCCRKIKD TVQKLASDHKDIHSSVSRVGKAIDRNFDSEICGVVSDAVWDAREQQQQILQMAIVEHLYQQGMLSVAEEL CQESTLNVDLDFKQPFLELNRILEALHEQDLGPALEWAVSHRQRLLELNSSLEFKLHRLHFIRLLAGGPA KQLEALSYARHFQPFARLHQREIQVMMGSLVYLRLGLEKSPYCHLLDSSHWAEICETFTRDACSLLGLSV ESPLSVSFASGCVALPVLMNIKAVIEQRQCTGVWNHKDELPIEIELGMKCWYHSVFACPILRQQTSDSNP

PIKLICGHVISRDALNKLINGGKLKCPYCPMEQNPADGKRIIF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Tag: C-Myc/DDK
Predicted MW: 44.2 kDa

**Concentration:**  $>0.05 \mu g/\mu L$  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:** NP 073599



Locus ID: 64777

 UniProt ID:
 Q96G75

 RefSeq Size:
 1984

 Cytogenetics:
 5q35.3

 RefSeq ORF:
 1179

Synonyms: GID2; GID2B

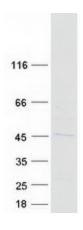
**Summary:** Core component of the CTLH E3 ubiquitin-protein ligase complex that selectively accepts

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]).