

Product datasheet for PH300863

RMND5B (NM_022762) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RMND5B MS Standard C13 and N15-labeled recombinant protein (NP_073599)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200863
Predicted MW:	44.4 kDa
Protein Sequence:	>RC200863 protein sequence Red=Cloning site Green=Tags(s)
	MEQCACVERELDKVLQKFLTYGQHCERSLEELLHYVQQLRAELASAALQGTPLSATLSLVMSQCCRKIKD TVQKLASDHKDIHSSVSRVGKAIDRNFSEICGVVSDAVWDAREQQQILQMAIVEHLYQQGMLSVAEEL CQESTLNVLDLDFKQPFLELNRILEALHEQDLGPALEWAVSHRQRLLELNSSLEFKLHRLHFIRLLAGGPA KQLEALSARHFQPFARLHQREIQVMMGSLVYLRLGLEKSPYCHLLDSSHAEICETFTRDACSLLGLSV ESPLSVSFASGCVALPVLNMIKAVIEQRQCTGVWNHKDELPIEIELGMKCWYHSVFACPILRQQTSDSNP PIKLICGHVISRDALNKLINGGKLCPCYCPMEQNPADGKRIF
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_073599
RefSeq Size:	1984
RefSeq ORF:	1179
Synonyms:	GID2; GID2B
Locus ID:	64777



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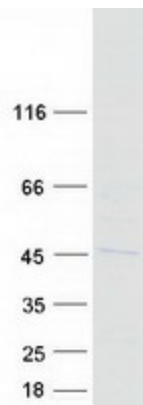
UniProt ID: [Q96G75](#)

Cytogenetics: 5q35.3

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]).