

Product datasheet for PH304257

RMND5A (NM_022780) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RMND5A MS Standard C13 and N15-labeled recombinant protein (NP_073617)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204257
Predicted MW:	44 kDa
Protein Sequence:	>RC204257 protein sequence Red=Cloning site Green=Tags(s)

MDQCVTVERELEKVLHKFSGYGQLCERGLEELIDYTGGLKHEILQSHGQDAELSGTLSLVL TQCCKRIKD
TVQKLASDHKDIHSSVSRVGKAIDKNFSDISSVGIDGCWQADSQRLLNEVMVEHFFRQGM LDVAEELCQ
ESGLSVDPSQKEPFVELNRILEALKVVRVLRPALEWAVSNREMLIAQNSSLEFKLHRLYFISLLMGGTTNQ
REALQYAKNFQPFALNHQKDIQVLMGSLVYLRQGIENSPYVHLLDANQWADICDIFTRDACALLGLSVES
PLSVSFSAGCVL PALINIKAVIEQRQCTGVWNQKDELPIEVDLGGKWCYHSIFACPI LRQQTDDNNPPM
KLVCGHIISR DALNKMFGSKL KCPYCPMEQSPGDAKQIFF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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:	<u>NP_073617</u>
RefSeq Size:	6201
RefSeq ORF:	1173
Synonyms:	CTLH; GID2; GID2A; p44CTLH; RMD5
Locus ID:	64795



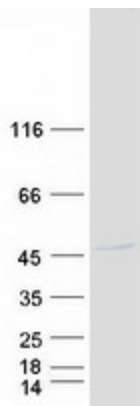
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UniProt ID: [Q9H871](#)

Cytogenetics: 2p11.2

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]

Product images:



Coomassie blue staining of purified RMND5A protein (Cat# [TP304257]). The protein was produced from HEK293T cells transfected with RMND5A cDNA clone (Cat# [RC204257]) using MegaTran 2.0 (Cat# [TT210002]).