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Product datasheet for RC200863L4V

RMND5B (NM_022762) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RMND5B (NM_022762) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RMND5B
Synonyms:	GID2; GID2B
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_022762
ORF Size:	1179 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200863).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_022762.3
RefSeq Size:	1984 bp
RefSeq ORF:	1182 bp
Locus ID:	64777
UniProt ID:	Q96G75
Cytogenetics:	5q35.3
Domains:	LisH, CTLH
Protein Families:	Stem cell - Pluripotency

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MW: 44.4 kDa

Gene 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]