

Recombinant Mouse Rmnd5a Protein, Myc/DDK-tagged

Cat. No. Rmnd5a-5531M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length required for meiotic nuclear division 5 homolog A (Rmnd5a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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. Catalytic activity of the complex is required for normal cell proliferation. The CTLH E3 ubiquitin-protein ligase complex is not required for the degradation of enzymes involved in gluconeogenesis, such as FBP1.
Molecular Mass	44 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Rmnd5a required for meiotic nuclear division 5 homolog A [Mus musculus (house mouse)]

Official Symbol Rmnd5a

Synonyms RMND5A; required for meiotic nuclear division 5 homolog A (S. cerevisiae); protein RMD5 homolog A; AJ237586; AW125795; MTA.D02.090; 1110007A06Rik; MGC59617

Gene ID 68477

mRNA Refseq NM_024288

Protein Refseq NP_077250

UniProt ID Q80YQ8

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