

Recombinant Mouse Mgrn1 Protein, Myc/DDK-tagged

Cat. No. Mgrn1-4063M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length mahogunin, ring finger 1 (Mgrn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	E3 ubiquitin-protein ligase. Mediates TSG101 monoubiquitination at multiple sites. Plays a role in the regulation of endosome-to-lysosome trafficking. Impairs MC1R- and MC4R-signaling by competing with GNAS-binding to MCRs and inhibiting agonist-induced cAMP production. Does not inhibit ADRB2-signaling. Does not promote MC1R ubiquitination. Acts also as a negative regulator of hedgehog signaling.
Molecular Mass	58.5 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 [Mgrn1 mahogunin, ring finger 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Mgrn1](#)

Synonyms MGRN1; mahogunin, ring finger 1; E3 ubiquitin-protein ligase MGRN1; mahoganoid; mahogunin RING finger protein 1; probable E3 ubiquitin-protein ligase MGRN1; md; nc; mKIAA0544; 2610042J20Rik

Gene ID [17237](#)

mRNA Refseq [NM_029657](#)

Protein Refseq [NP_083933](#)

UniProt ID [Q9D074](#)

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