

## Recombinant Mouse Mgrn1 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length mahogunin, ring finger 1 (Mgrn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	58.5 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>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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