

## Product datasheet for **TP508529**

### **Mgrn1 (NM\_029657) Mouse Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse mahogunin, ring finger 1 (Mgrn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR208529 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MGSILSRRIAGVEDIDIQANSAYRYPPKSGNYFASHFFMGGEKFDTPHPEGYLFGENMDLNFLGSRPVQF  
PYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKEDADSPTEDGEKPRVLYSLEFTDADARVAITICYQAVE  
ELVNGVAVYSCKNPSLQSETVHYKRGVSQQFSLPSFKIDFSEWKDDELNFDLDRGVFPVVIQAVVDEGDV  
VEVTGHAHVLLAAFEKHVDGFSVVKPLKQKQIVDRVSYLLQEIYGIENKNNQETKPSDDENS DNSSECV  
CLSDLRDTLILPCRHLCLCTSCADTLRYQANNCPICRLPFRALLQIRAVRKKPGALSPISFSPVLAQSVD  
HDEHSSSDSIPPGYEPISLLEALNGLRAVSPAIPSAPLYEEITYSGISDGLSQASCPLAGLDRIMESGLQ  
KGKTQSKSPDSTLRSPSPFIHEEDEEKLSESDAPLPPSGVELVLRSSSPESFGTEEGDEPSLKQGSRV  
PSIDDVLQDGGSPQHGGCSQPVPADIYLPALGPESCSVGIEE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	58.5 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<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>RefSeq:</b>	<u><a href="#">NP_083933</a></u>



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Locus ID:	17237
UniProt ID:	<a href="#">Q9D074</a>
RefSeq Size:	3290
Cytogenetics:	16 2.48 cM
RefSeq ORF:	1599
Synonyms:	2610042J20Rik; md; mKIAA0544; nc
Summary:	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 (By similarity). Acts also as a negative regulator of hedgehog signaling (PubMed:29290584).[UniProtKB/Swiss-Prot Function]