Recombinant Human MGRN1, GST-tagged

Cat. No. MGRN1-179H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MGRN1 (2-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	2-end a.a.
Description	MGRN1 or mahogunin ring finger 1, E3 ubiquitin protein ligase is a C3HC4 RING-containing protein with E3 ubiquitin ligase activity in vitro. MGRN1 gene encodes 4 mRNA isoforms that contain a central C3HC4 RING domain as the only recognizable protein motif and regions flanking the RING domain and the N-terminal region of the protein are also conserved between vertebrate and invertebrate genome and MGRN1 is highly expressed in brain. MGRN1 has been detected in the adrenal cortex in kidney and its role may relate to the trafficking and/or degradation of the melanocortin 2 receptor.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~96 kDa
Purity	>90% by densitometry

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Applications	Kinase Assay, Western Blot
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 μg/μl

GENE INFORMATION

Gene Name	MGRN1 mahogunin ring finger 1, E3 ubiquitin protein ligase [Homo sapiens]
Official Symbol	MGRN1
Synonyms	MGRN1; mahogunin ring finger 1, E3 ubiquitin protein ligase; mahogunin, ring finger 1; E3 ubiquitin-protein ligase MGRN1; KIAA0544; RNF156; RING finger protein 156; mahogunin RING finger protein 1; probable E3 ubiquitin-protein ligase MGRN1;
Gene ID	23295
mRNA Refseq	NM_001142289
Protein Refseq	NP_001135761
MIM	607559
UniProt ID	O60291
Chromosome Location	16p13

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Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem; Ubiquitin mediated proteolysis, organism-specific biosystem;
Function	ligase activity; metal ion binding; protein binding; ubiquitin-protein ligase activity; zinc ion binding;

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