

Recombinant Mouse Retreg1 Protein, Myc/DDK-tagged

Cat. No. Retreg1-5472M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length reticulophagy regulator 1 (Retreg1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Endoplasmic reticulum-anchored autophagy receptor that mediates ER delivery into lysosomes through sequestration into autophagosomes. Promotes membrane remodeling and ER scission via its membrane bending capacity and targets the fragments into autophagosomes via interaction with ATG8 family proteins. Required for long-term survival of nociceptive and autonomic ganglion neurons.
Molecular Mass	39 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Retreg1 reticulophagy regulator 1 [Mus musculus (house mouse)]
Official Symbol	Retreg1
Synonyms	Retreg1; reticulophagy regulator 1; Fam134; Fam134b; AU015349; Retreg1d; 1810015C04Rik; reticulophagy regulator 1; family with sequence similarity 134, member B; protein FAM134B; reticulophagy receptor 1; reticulophagy receptor Fam134b
Gene ID	66270
mRNA Refseq	NM_025459
Protein Refseq	NP_079735
UniProt ID	Q8VE91

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