

## Product datasheet for **TP505439**

### Retreg1 (NM\_025459) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse reticulophagy regulator 1 (Retreg1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205439 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MPAGGGCGPGRSWEVINSKPDERARLSQCIAESWMNFSMFLQEMSLFKQQSPGKFCLLVCSVCTFFFTILG SYIPGVILSYLLLLFAFLCPLFKCNDIGQKIYSKVKSILLKLDGIGEYINQKKRERSEADKEKSHKDDSD ELDFSALCPKISLTVAAKELSVSDTDVSEVSWTDNGTFNLSEGYTPQTDTSDDLDRPSEEVFSRDLSDFP SLENGTGTNDEDELSLGLPTELKRKKQQLDSAHRPSKERQSAAGLSLPLKSDQALHLMSNLAGDVITAAM TAAIKDQLEGARQALTQVAPTAGEDTDTEEGDDFELLDQAELDQIESELGLTQDQGAEAQSKKSSGFLS NLLGGH</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-MYC/DDK
Predicted MW:	39 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_079735</a>
Locus ID:	66270
UniProt ID:	<a href="#">Q8VE91</a>



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RefSeq Size: 2929

Cytogenetics: 15 B1

RefSeq ORF: 1071

Synonyms: 1810015C04Rik; AU015349; Fam134b; Retreg1 d

**Summary:** Endoplasmic reticulum-anchored autophagy receptor that mediates ER delivery into lysosomes through sequestration into autophagosomes (PubMed:26040720). Promotes membrane remodeling and ER scission via its membrane bending capacity and targets the fragments into autophagosomes via interaction with ATG8 family proteins (PubMed:26040720). Required for long-term survival of nociceptive and autonomic ganglion neurons (PubMed:19838196, PubMed:26040720).[UniProtKB/Swiss-Prot Function]