

## Product datasheet for TP521565

### Lgmn (NM\_011175) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse legumain (Lgmn), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR221565 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MTWRVAVLLSLVLGAGAVPVGVDDPEDGGKHWVIVAGSNGWYNYRHQADACHAYQIIHRNGIPDEQIIV  
MMYDDIANSEENPTPGWINRPNGTDVYKGVLDYTGEDVTPENFLAVLRGDAEAVKKGSGKVLKSGPR  
DHVFIYFTDHGATGILVFPNDDLHVKDLNKTIRYMYEHKMYQKMFYIEACESGSMNNHLPDDINVYATT  
AANPKESSYACYDEERGTYLGDWYSVNW MEDSDVEDLTKETLHKQYHLVKSHTNTSHVMQYGNKSISTM  
KVMQFQGMKHRASSPISLPPVTHLDLTPSPDVPLTILKRKLLRTNDVKESQNLIGQIQQLDARHVIEKS  
VHKIVSLLAGFGETAERHLSERTMLTAHDCYQEAVTHFRTHCFNWHSVTYEHALRYLVLANLCEAPYPI  
DRIEMAMDKVCLSHY

**TR**TRPLE**QKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 49.4 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:** [NP\\_035305](#)

**Locus ID:** 19141



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UniProt ID: [O89017](#), [A2RTI3](#), [Q3UE99](#)

RefSeq Size: 1874

Cytogenetics: 12 E

RefSeq ORF: 1308

Synonyms: A; AEP; AI746452; AU022324; Pr; Prsc1

**Summary:** This gene encodes a member of the cysteine peptidase family C13 that plays an important role in the endosome/lysosomal degradation system. The encoded inactive preproprotein undergoes autocatalytic removal of the C-terminal inhibitory propeptide to generate the active endopeptidase that cleaves protein substrates on the C-terminal side of asparagine residues. Mice lacking the encoded protein exhibit defects in the lysosomal processing of proteins resulting in their accumulation in the lysosomes, and develop symptoms resembling hemophagocytic lymphohistiocytosis. [provided by RefSeq, Aug 2016]