

Recombinant Mouses LAMP5 Protein

Catalog No.: RP02615 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	76161	Q9D387

Tags

C-hFc

Synonyms

BAD-LAMP; LAMP-5; BADLAMP;
C20orf103; dj1119D9.3; UNC-43

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Calculated MW	Observed MW
50 kDa	60-70 kDa

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening.
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

Lysosome-associated membrane protein 5 (LAMP5) is a mammalian ortholog of the *Caenorhabditis elegans* protein, UNC-46, which functions as a sorting factor to localize the vesicular GABA transporter UNC-47 to synaptic vesicles. LAMP5 deficiency led to a larger intensity-dependent increase of wave I, II and V peak amplitude of auditory brainstem response. LAMP5 plays a pivotal role in sensorimotor processing in the brainstem and spinal cord.

Basic Information

Description

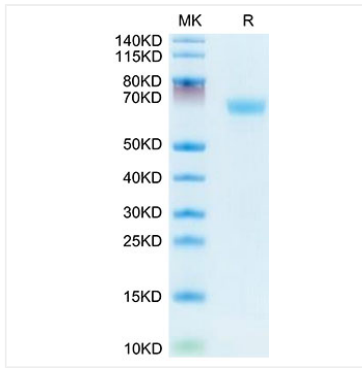
Recombinant Mouses LAMP5 Protein is expressed from Expi293 with hFc tag at the C-terminal. It contains Glu30-Glu235.

Bio-Activity

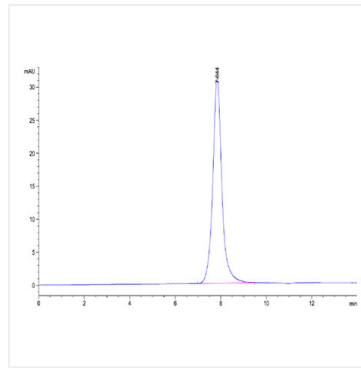
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Mouses LAMP5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Mouses LAMP5 is greater than 95% as determined by SEC-HPLC.