

Recombinant Mouses LAMP5 Protein

Catalog No.: RP02615 Recombinant

Sequence Information

Species Gene ID Swiss ProtMouse 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

< 1 EU/µg of the protein by 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 stablizer (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

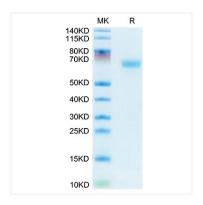
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

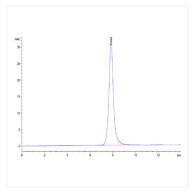
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouses LAMP5 Protein was determined by Tris-Bis PAGE under reducing conditions.



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