

Recombinant mouse CD107b/LAMP2 protein

Catalog Number: ATGP3373

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

26-379aa

UniProt No.

P17047

NCBI Accession No.

NP_001017959

Alternative Names

Lysosome-associated membrane glycoprotein 2, CD107 antigen-like family member B, CD107b, Lysosomal membrane glycoprotein type B, LGP-B, Lamp-2

PRODUCT SPECIFICATION

Molecular Weight

40.2 kDa (362aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Lamp2, also known as lysosome-associated membrane glycoprotein 2, is a major component of lysosomal membranes. It is clinically characterized by cardiomyopathy, myopathy, and variable mental retardation. Up-regulated Lamp2 at the plasma membrane serves as an indicator of cell activation of CD8+ T cells, mast cells,

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monocytes, and platelets. Recombinant mouse Lamp2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

LIVNLTDSKG TCLYAEWEMN FTITYETTNQ TNKTITIAVP DKATHDGSSC GDDRNSAKIM IQFGFAVSWA VNFTKEASHY
SIHDIIVLSYN TSDSTVFPGA VAKGVHTVKN PENFKVPLDV IFKCNSVLTY NLTPVVQKYW GIHLQAFVQN GTVSKNEQVC
EEDQTPTTVA PIIHTTAPST TTTLTPTSTP TPTPTPTPTV GNYSIRNGNT TCLLATMGLQ LNITEEKVPF IFNINPATTN
FTGSCQPQSA QLRLNNSQIK YLDFIFAVKN EKRFYLKEVN VYMYLANGSA FNISNKNLSF WDAPLGSSYM CNKEQVLSVS
RAFQINTFNL KVQPFNVTKG QYSTAQDCSA DEDN<LEHHHH HH>

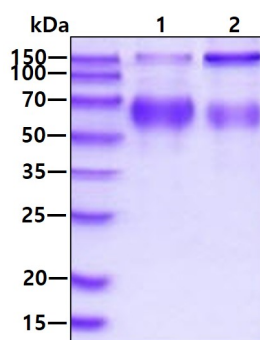
General References

Eskelinen EL., et al. (2003) Trends Cell Biol. 13:137-145.

Bertini E., et al. (2005) Neuropediatrics. 36:309-313.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

Lane 1.: reducing conditions

Lane 2.: non-reducing conditions