

Recombinant human CD107a/LAMP1 protein

Catalog Number: ATGP3694

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

29-382aa

UniProt No.

P11279

NCBI Accession No.

NP_005552

Alternative Names

Lysosome-associated membrane glycoprotein 1, LAMP1, CD107a, LAMPA, LGP120, CD107 antigen-like family member A

PRODUCT SPECIFICATION

Molecular Weight

39.4 kDa (363aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

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

Purity

> 90% 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

LAMP1, also known as lysosome-associated membrane glycoprotein 1, is a membrane protein that belongs to the LAMP family. It is expressed in the endosome-lysosome membranes of cells, but is also found on the plasma membrane during the activation of NK cells, CD8+ T cells, mast cells, basophils, monocytes, and platelets. A

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glycoform of LAMP1 is expressed on the surface of activated macrophages where it promotes T cell co-stimulation and a Th1 biased immune response. Recombinant human LAMP1 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPAMFMVKN GNGTACIMAN FSAAFSVNYD TKSGPKNMTF DLPSDATVVL NRSSCGKENT SDPSLVIAFG RGHTLTNLNFT
RNATRYSVQL MSFVYNLSDT HLFPNASSKE IKTVESITDI RADIDKKYRC VSGTQVHMNN VTVTLHDATI QAYLSNSSFS
RGETRCEQDR PSPTTAPPAP PSPSPSPVPK SPSVDKYNVS GTNGTCLLAS MGLQLNLTYE RKDNTTVTRL LNINPNKTSA
SGSCGAHLVT LELHSEGTTV LLFQFGMNAS SSRFFLQGIQ LNTILPDARD PAFKAANGSL RALQATVGNS YKCNAEEHVR
VTKAFSVNIF KVWVQAFKVE GGQFGSVEEC LLDENSMHHH HHH

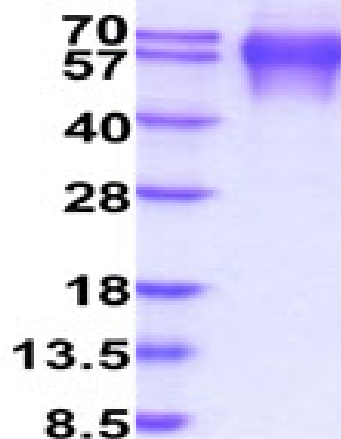
General References

Dange MC., et al, (2015) Mol Cell Biochem. 404:79-86.
Okato A., et al, (2016) Int J Oncol. 49:111-122.

DATA

SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)