

Recombinant mouse LAIR1 protein

Catalog Number: ATGP3446

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

22-144aa

UniProt No.

Q8BG84

NCBI Accession No.

NP_001106945

Alternative Names

Leukocyte-associated immunoglobulin-like receptor 1 isoform a, Lair1, 5133400011Rik, BB115266, D7Bwg0421e, Lair-1

PRODUCT SPECIFICATION

Molecular Weight

15kDa (132aa)

Concentration

0.5mg/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

Lair1, as known as leukocyte-associated immunoglobulin-like receptor 1 isoform a, is an inhibitory receptor of the Ig superfamily that is related to inhibitory members of KIR and ILT/CD85 families. This protein is well expressed NK cells, T cells, B cells, monocytes, macrophages, immature neutrophils, dendritic cells and most

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thymocytes. Also, it functions as an inhibitory receptor not only on NK cells, but on human T cells. Recombinant mouse Lair1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPQEGSLPD ITIFPNSSLM ISQGTFVTVV CSYSDKHDLY NMVRLEKDGS TFMEKSTEPY KTEDEFEIGP VNETITGHYS
CIYSKGITWS ERSKTLELKV IKENVIQTPA PGPTS DTSWL KTYSIYHHHH HH

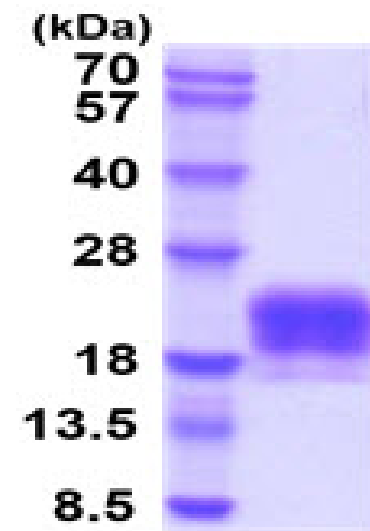
General References

Tang X., et al. (2012) J. Immunol. 188:548-558.

Jiang L., et al. (2009) Eur. J. Immunol. 39:1167-1175.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)