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# Recombinant mouse LAIR1 protein

Catalog Number: ATGP3446

#### PRODUCT INFORMATION

# **Expression system**

Baculovirus

#### **Domain**

22-144aa

#### UniProt No.

08BG84

#### **NCBI Accession No.**

NP 001106945

### **Alternative Names**

Leukocyte-associated immunoglobulin-like receptor 1 isoform a, Lair1, 5133400O11Rik, 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 lg 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.

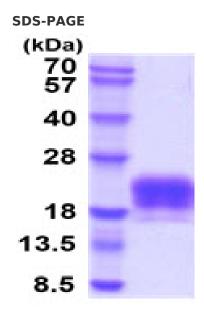
## **Amino acid Sequence**

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

#### **General References**

Tang X., et al. (2012) J. Immunol. 188:548-558. Jiang L., et al. (209) Eur. J. Immunol. 39:1167-1175.

# **DATA**



15% SDS-PAGE (3ug)

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

