

Recombinant Mouse LAIR1 protein (His Tag)

Catalog Number: Eg1879

Basic Information

Species:
Mouse**Purity:**
>90 %, SDS-PAGE**Tag:**
His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<1.0 EU/ µg protein, LAL method

Source:

HEK293-derived Mouse LAIR1 protein Gln22-Tyr141 (Accession# Q8BG84-1) with a His tag at the C-terminus.

GeneID:

52855

Accession:

Q8BG84-1

Predicted Molecular Mass:

14.6 kDa

SDS-PAGE:**Formulation:**

Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Leukocyte-associated immunoglobulin-like receptor 1 (LAIR1) is a transmembrane glycoprotein with a single immunoglobulin-like domain and a cytoplasmic tail containing two immune receptor tyrosine-based inhibitory motifs. LAIR1 is expressed on the majority of human PBMCs, including NK, T, B, monocytes, and dendritic cells, as well as the majority of thymocytes. It functions as an inhibitory receptor that plays a constitutive negative regulatory role on cytolytic function of NK cells, B cells and T cells. LAIR1 is a collagen receptor. Tumor-expressed collagens can modulate immune cell function through the inhibitory collagen receptor LAIR1.

References

1. Meyaard, L et al. Immunity vol. 7,2 (1997): 283-90.
2. Meyaard, L et al. Journal of immunology (Baltimore, Md. : 1950) vol. 162,10 (1999): 5800-4.
3. Lebbink, Robert Jan et al. The Journal of experimental medicine vol. 203,6 (2006): 1419-25.
4. Rygiel, Tomasz P et al. Molecular immunology vol. 49,1-2 (2011): 402-6.

Synonyms

Selected Validation Data

For technical support and original validation data for this product please contact

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.