

For Research Use Only

# Recombinant Human LILRB1/CD85j protein (rFc Tag)(HPLC verified)



Catalog Number: Eg3701

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE<br> >90%, SEC-HPLC

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE<br> >90%, SEC-HPLC

**Endotoxin Level:**  
<0.1 EU/ μ g protein, LAL method

**Source:**  
HEK293-derived Human LILRB1 protein Gly24-His458 (Accession# Q8NHL6) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
10859

**Accession:**  
Q8NHL6

**Predicted Molecular Mass:**  
73.5 kDa

**SDS-PAGE:**  
80-100 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22 μ m filtered solution in 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

LILRB1 (Leukocyte Immunoglobulin-like Receptor B1), also known as CD85j, ILT, and MIR7, is a member of the immunoglobulin superfamily and is expressed in a wide variety of immune cells, including natural killer (NK) cells, monocytes, macrophages, and dendritic cells. LILRB1 acts as an immunosuppressive receptor functions and is involved in immunomodulation and regulation of immune response. Recently, HLA class I expression was shown to protect cancer cells from macrophage phagocytosis by interacting with LILRB1, making LILRB1 also a phagocytic checkpoint. LILRB1 is also a promising therapeutic target for patients with multiple myeloma.

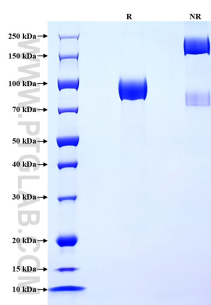
## References

1. Zeller T, et al. (2023). Front Immunol. 14:1240275.
2. Hu Z, et al. (2024). Front Immunol. 15:1421092.
3. Xian M, et al. (2024). Nat Commun. 15(1):5767.

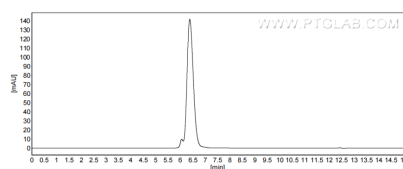
## Synonyms

LILRB1, CD85, CD85 antigen-like family member J, CD85j, FLJ37515

## Selected Validation Data



Purity of Recombinant Human LILRB1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Human LILRB1/CD85j was greater than 90% as determined by SEC-HPLC.

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

T: 027-87531629

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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