

For Research Use Only

Recombinant Human ILT-3/LILRB4 protein (rFc Tag)



Catalog Number: Eg1743

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
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Technical Specifications

Purity:
>90 %, SDS-PAGE

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

Source:
HEK293-derived Human ILT-3 protein Gln22-Glu259 (Accession# AAH26309.1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
11006

Accession:
AAH26309.1

Predicted Molecular Mass:
52.3 kDa

SDS-PAGE:
55-70 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

LILRB4 is an inhibitory receptor in the LILR family mainly expressed on normal and malignant human cells of myeloid origin. LILRB4 is activated and subsequently recruits adaptors to cytoplasmic immunoreceptor tyrosine inhibitory motifs to initiate different signaling cascades, thus playing an important role in physiological and pathological conditions, including autoimmune diseases, microbial infections, and cancers.

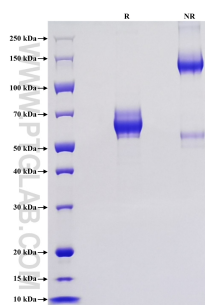
References

1. Yang, Xing et al. Nature immunology vol. 26,9 (2025): 1567-1580.
2. Deng, Mi et al. Nature vol. 562,7728 (2018): 605-609.
3. Xie, Li et al. Cell death & disease vol. 15,7 515. 18 Jul. 2024

Synonyms

LILRB4, B4, CD85 antigen-like family member K, CD85k, ILT3

Selected Validation Data



Purity of Recombinant Human ILT-3 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.

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

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