

For Research Use Only

Recombinant Mouse SLPI protein (mFc Tag) (HPLC verified)



Catalog Number: Eg4190

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE
 >90 %, SEC-HPLC

Tag:
mFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
 >90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Mouse SLPI protein Gly26-Met131 (Accession# P97430) with a mouse IgG Fc tag at the N-terminus.

GeneID:
20568

Accession:
P97430

Predicted Molecular Mass:
39.4 kDa

SDS-PAGE:
38-43 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm 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

SLPI, a member of Whey acidic protein family, could mediate a variety of biological processes including cell proliferation and apoptosis, repairing reaction and immune response, with crucial roles in anti-protease, anti-inflammatory, anti-bacterial and anti-virus. SLPI is mainly expressed in epithelial cells.

References

1. Vafadarnejad E. et al. (2020) Circ Res. 127(9):e232-e249.
2. Xu W. et al. (2023) Neuron. 111(20):3244-3254.e8.
3. Brown R. et al. (2024) Front Immunol. 15:1433642.
4. Morimoto A. et al. (2021) mun. 12(1):2136.

Synonyms

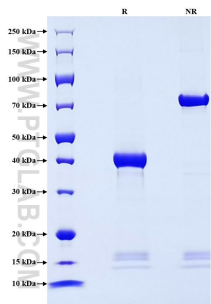
ALP, Antileukoproteinase, Secretory leukocyte protease inhibitor

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

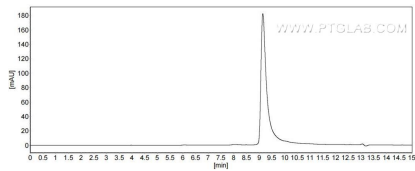
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Selected Validation Data



Purity of Recombinant Mouse SLPI 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 Mouse SLPI was greater than 90% as determined by SEC-HPLC.