

Recombinant Human SPARCL1 protein (rFc Tag)

Catalog Number: Eg2837

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<1.0 EU/ µg protein, LAL method

Source:

HEK293-derived Human SPARCL1 protein Ile17-Phe664 (Accession# Q8N4S1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

8404

Accession:

Q8N4S1

Predicted Molecular Mass:

99.2 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

SPARCL1 (Secreted Protein Acidic and Rich in Cysteine-like 1) is an extracellular matrix glycoprotein that plays diverse roles in tissue repair, inflammation, and lipid metabolism. It is highly expressed in the brain and involved in the regulation of lipid metabolism and inflammation. SPARCL1 has been implicated in various diseases, including non-alcoholic steatohepatitis (NASH), where it promotes disease progression through upregulation of CCL2. Additionally, SPARCL1 regulates macrophage activation and exacerbates viral pneumonia by promoting pro-inflammatory responses. In cancer, SPARCL1 expression is often downregulated, and it has been identified as a potential prognostic biomarker in breast cancer.

References

1. Liu, Bin et al. The Journal of clinical investigation vol. 131,20 (2021): e144801.
2. Cheng, Xu et al. Journal of inflammation research vol. 16 (2023): 2121-2127.
3. Zhao, Gan et al. Nature communications vol. 15,1 (2024): 4235.
4. Xu, Xin-Yu et al. Oncology letters vol. 29,4 (2025): 196.

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.