

For Research Use Only

Recombinant Human SAA protein (rFc Tag)



Catalog Number: Eg4687

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

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

Source:
HEK293-derived Human SAA protein Arg19-Tyr122 (Accession# PODJ18) with a rabbit IgG Fc tag at the N-terminus.

GeneID:
6288

Accession:
PODJ18

Predicted Molecular Mass:
38.5 kDa

SDS-PAGE:
37-45 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

Human SAA proteins are a group of apolipoproteins mainly found in the high density lipoprotein (HDL) portion of plasma. The serum amyloid A (SAA) protein is an acute phase apolipoprotein reactant produced mainly by hepatocytes and under the regulation of inflammatory cytokines. Reactive, secondary amyloidosis is characterized by the extracellular accumulation in various tissues of the SAA2 protein.

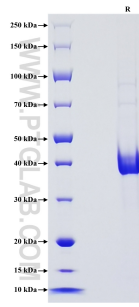
References

1. Lundmark K, et al. (2002) Proc Natl Acad Sci U S A. 99(10):6979-6984.
2. Baba S, et al. (1992) Biochim Biophys Acta. 1180(2):195-200.
3. Webb NR. (2021) Curr Atheroscler Rep. 23(2):7.
4. Abouelasrar Salama S, et al. (2023) Front Endocrinol (Lausanne). 14:1119227.

Synonyms

SAA1, serum amyloid A1, Serum amyloid A-1 protein, Serum amyloid protein A(2-102), Serum amyloid protein A(2-103)

Selected Validation Data



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

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

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