For Research Use Only

Recombinant Rat ORM1 protein (rFc Tag)

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Catalog Number: Eg9535

Basic Information

Species: Rat

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 Rat ORM1 protein Gln19-Pro205 (Accession# P02764) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
24614

Accession:
P02764

Predicted Molecular Mass:
47.2 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℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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

Alpha-1-acid glycoprotein 1 (AGP1), also called orosomucoid-1 (ORM1), is a glycoprotein synthesized mostly by hepatocytes and present in human plasma. ORM1 is an acute-phase reactant protein controlled by glucocorticoids, interleukin-1 and interleukin-6, and increase up to 5-50 times upon infection and/or inflammation. Anti-apoptotic effect and role as immunomodulator of ORM have been reported. ORM is an important carrier for synthetic drugs and influences their distribution and availability in the body.

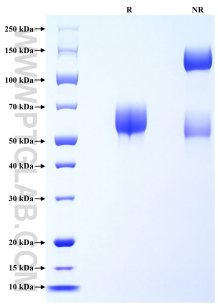
References

1. Chen, Jie et al. Organogenesis vol. 21,1 (2025): 2519614.
2. Yu, Gang et al. Scientific reports vol. 13,1 15687. 21 Sep. 2023.
3. Yan, Nana et al. Hepatology (Baltimore, Md.), 10.1097/HEP.0000000000001737. 9 Mar. 2026.
4. Kim, Young-Eun et al. Frontiers in immunology vol. 14 1148574. 8 Sep. 2023.

Synonyms

Alpha-1-acid glycoprotein, OMD, Orm1, Orosomucoid

Selected Validation Data



Purity of Recombinant Rat ORM1 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.