

For Research Use Only

Recombinant Mouse FAM3D protein (mFc Tag) (HPLC verified)



Catalog Number: Eg3865

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 FAM3D protein Tyr26-Met223 (Accession# P97805) with a mouse IgG Fc tag at the C-terminus.

GeneID:
18300

Accession:
P97805

Predicted Molecular Mass:
48.7 kDa

SDS-PAGE:
48-60 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

FAM3 (family with sequence similarity 3) is a cytokine-like family consisting of four members, FAM3A, FAM3B, FAM3C, and FAM3D, who share a 4-helical bundle structure. FAM3D is constitutively expressed in the gastrointestinal tract and is regulated by nutritional status. FAM3D controls blood sugar levels by acting as an insulin-sensitizing protein and improves lipid deposition in the liver.

References

1. de Wit NJ, et al. (2012) J Nutr Biochem. 23(11):1425-33.
2. Moser C, et al. (2023) Peptides. 167:171047.

Synonyms

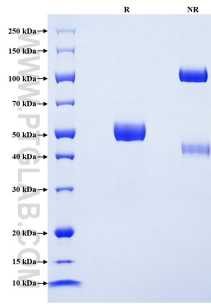
Oit1, Oncoprotein-induced protein 1, Protein EF-7, Protein FAM3D

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

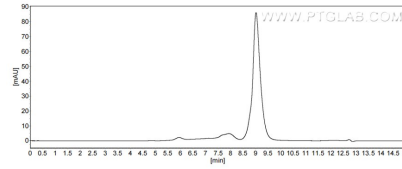
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Selected Validation Data



Purity of Recombinant Mouse FAM3D 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 FAM3D was greater than 90% as determined by SEC-HPLC.