

For Research Use Only

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



Catalog Number: Eg3865

## Basic Information

**Species:**  
Mouse

**Purity:**  
>90%, SDS-PAGE<br>>90%,  
SEC-HPLC

**Tag:**  
mFc Tag

## Technical Specifications

**Purity:**  
>90%, SDS-PAGE<br>>90%, SEC-HPLC

**Endotoxin Level:**  
<0.1 EU/  $\mu$ g 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  $\mu$ 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

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.

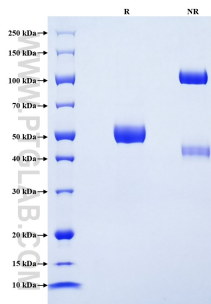
## References

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

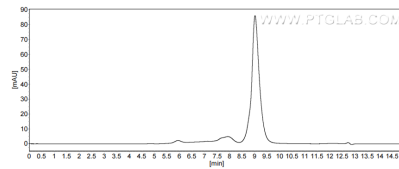
## Synonyms

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

## 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.

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

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