

Datasheet for ABIN7274580

FAM3D Protein (AA 26-223) (Fc Tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	FAM3D
Protein Characteristics:	AA 26-223
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FAM3D protein is labelled with Fc Tag.

Product Details

Purpose:	Mouse FAM3D Protein
Sequence:	Tyr26-Met223
Characteristics:	Recombinant Mouse FAM3D Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Tyr26-Met223.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	FAM3D
Alternative Name:	FAM3D (FAM3D Products)

Target Details

Background:	The physiological homeostasis of gut mucosal barrier is maintained by both genetic and environmental factors and its impairment leads to pathogenesis such as inflammatory bowel disease. A cytokine like molecule, FAM3D (mouse Fam3D), is highly expressed in mouse gastrointestinal tract. Here, we demonstrate that deficiency in Fam3D is associated with impaired integrity of colonic mucosa, increased epithelial hyper-proliferation, reduced anti-microbial peptide production and increased sensitivity to chemically induced colitis associated with high incidence of cancer.
Molecular Weight:	48.7 kDa. Due to glycosylation, the protein migrates to 52-58 kDa based on Tris-Bis PAGE result.
UniProt:	P97805

Application Details

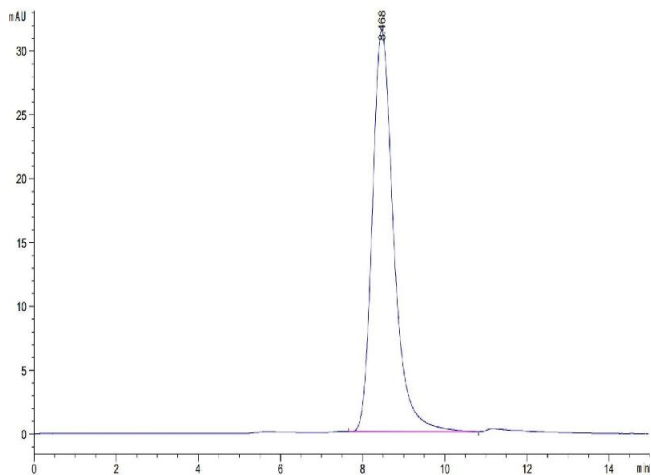
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse FAM3D is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Mouse FAM3D on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

