Mouse FAM3D Protein

Cat. No. FAM-MM23D



Description	
Source	Recombinant Mouse FAM3D Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Tyr26-Met223.
Accession	P97805
Molecular Weight	The protein has a predicted MW of 48.7 kDa. Due to glycosylation, the protein migrates to 52-58 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

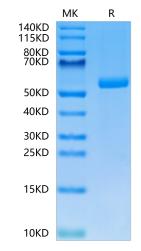
Formulation and Storage		
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.	
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.	
Storage	-20 to -80°C for 12 months as supplied from date of receipt20 to -80°C for 3-6 months in unopened state 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	

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.

Assay Data

Tris-Bis PAGE



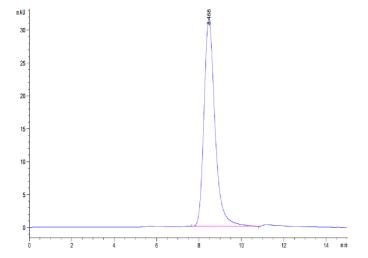
Mouse FAM3D on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Cat. No. FAM-MM23D



Assay Data



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