

Datasheet for ABIN7275253

MF12 Protein (AA 20-709) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	MF12
Protein Characteristics:	AA 20-709
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MF12 protein is labelled with His tag.

Product Details

Purpose:	Mouse CD228/MF12 Protein
Sequence:	Val20-Cys709
Characteristics:	Recombinant Mouse CD228/MF12 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val20-Cys709.
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:	MF12
Alternative Name:	CD228 (MF12 Products)

Target Details

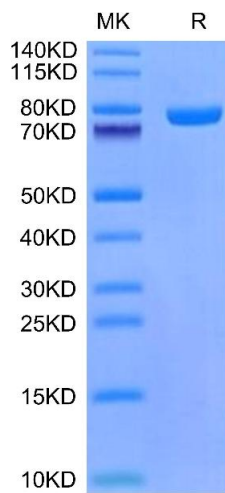
Background:	Melanotransferrin (MTf) or melanoma tumor antigen p97 is a transferrin (Tf) homolog that is found predominantly bound to the cell membrane via a glycosyl phosphatidylinositol anchor. The molecule is a member of the Tf superfamily and binds iron through a single high-affinity iron(III)-binding site.
Molecular Weight:	77.30 kDa. Due to glycosylation, the protein migrates to 78-80 kDa based on Tris-Bis PAGE result.
UniProt:	Q9R0R1
Pathways:	Transition Metal Ion Homeostasis , Cell-Cell Junction Organization

Application Details

Restrictions:	For Research Use only
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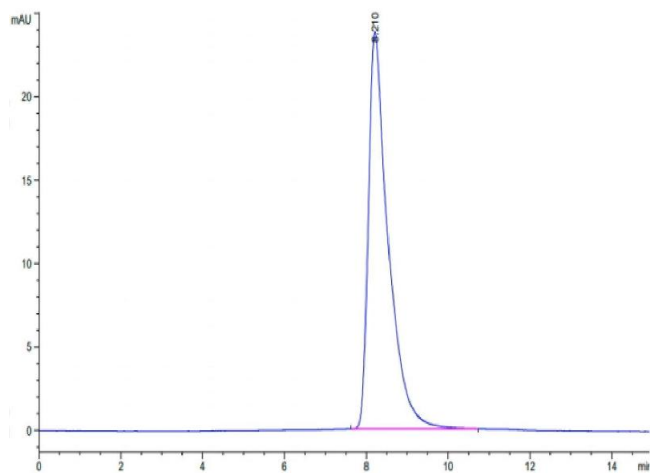
Handling

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



SDS-PAGE

Image 1. Mouse CD228 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse CD228 is greater than 95 % as determined by SEC-HPLC.