

Datasheet for ABIN7583273

MSTN Protein (AA 24-375) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	MSTN
Protein Characteristics:	AA 24-375
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MSTN protein is labelled with His tag.

Product Details

Purpose:	Human Latent GDF-8 Protein
Sequence:	Asn24-Ser375
Characteristics:	Recombinant Human Latent GDF-8 Protein is expressed from HEK293 with His tag at the N-terminus. It contains Asn24-Ser375.
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:	MSTN
Alternative Name:	Latent GDF-8 (MSTN Products)

Target Details

Background: Growth/differentiation factor 8 (GDF8), or myostatin, negatively regulates muscle mass. GDF8 is held in a latent state through interactions with its N-terminal prodomain. GDF8, like numerous TGF- β family members, is a disulfidelinked dimer that is synthesized as a precursor protein which requires cleavage by a furin-like protease to yield an N-terminal prodomain and a C-terminal mature, signaling domain.

Molecular Weight: 41.19 kDa. Due to glycosylation, the protein migrates to 35-40 kDa and 45-55 kDa based on Tris-Bis PAGE result.

UniProt: [O14793](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g/mL}$ is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22 μm 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