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Datasheet for ABIN7538400
MSTN Protein (AA 24-375) (Fc Tag)

Overview

Quantity:	50 µg
Target:	MSTN
Protein Characteristics:	AA 24-375
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MSTN protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human GDF8 Protein with C-terminal human Fc tag
Specificity:	GDF8 (Asn24-Ser375) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	MSTN
Alternative Name:	GDF8 (MSTN Products)
Background:	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta)

Target Details

superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein negatively regulates skeletal muscle cell proliferation and differentiation. Mutations in this gene are associated with increased skeletal muscle mass in humans and other mammals. [provided by RefSeq, Jul 2016]

Molecular Weight: predicted molecular mass of 66.2 kDa after removal of the signal peptide.

UniProt: [O14793](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months