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Datasheet for ABIN7455639

## MSTN Protein

### Overview

Quantity:	50 µg
Target:	MSTN
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant

### Product Details

Purpose:	Recombinant Human/Mouse/Rat Growth Differentiation Factor 8 is produced by our Mammalian expression system and the target gene encoding Lys262-Ser375 is expressed.
Characteristics:	Extracellular Domain Protein
Purity:	Greater than 95 % as determined by reducing SDS-PAGE.

### Target Details

Target:	MSTN
Alternative Name:	GDF-8 ( <a href="#">MSTN Products</a> )
Background:	<p>Growth/differentiation factor 8, GDF-8, Myostatin, Mstn, Gdf8</p> <p>Description: Growth/differentiation factor 8(Mstn, GDF-8) is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. It is expressed specifically in developing and adult skeletal muscle. It exists as a homodimer, and interacts with WFIKKN2, leading to inhibit its activity. This protein can act specifically as a negative regulator of skeletal muscle</p>

## Target Details

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growth. It regulates cell growth and differentiation in both embryonic and adult tissues.

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Molecular Weight: 13.1 KDa

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UniProt: [O14793](#)

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## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Buffer: a 0.2 µm filtered solution of PBS, pH 7.4.

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Storage: -20 °C

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Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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Expiry Date: 12 months

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