

Datasheet for ABIN7455639

**MSTN Protein**[Go to Product page](#)**1** Image

## 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
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	Greater than 95 % as determined by reducing SDS-PAGE.

## Target Details

Target:	MSTN
Alternative Name:	GDF-8 ( <a href="#">MSTN Products</a> )
Background:	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.

Target Details

	This protein can act specifically as a negative regulator of skeletal muscle growth. It regulates cell growth and differentiation in both embryonic and adult tissues.
Molecular Weight:	13.1 KDa
UniProt:	<a href="#">O14793</a>

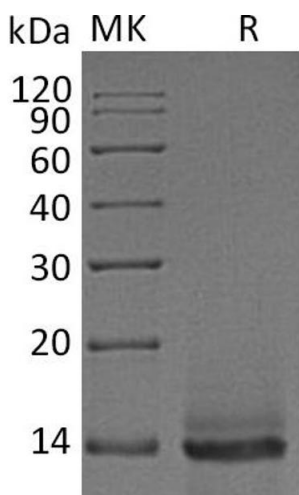
Application Details

Restrictions:	For Research Use only
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Handling

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

Images



**SDS-PAGE**

**Image 1.** Greater than 95 % as determined by reducing SDS-PAGE.