

Datasheet for ABIN7319794 **MSTN Protein**



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Overview

Quantity:	50 µg
Target:	MSTN
Origin:	Human, Mouse, Rat
Source:	Human Cells
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human/Mouse/Rat GDF-8/Myostatin
Sequence:	Lys262-Ser375
Characteristics:	Recombinant Human/Mouse/Rat Growth Differentiation Factor 8 is produced by our Mammalian expression system and the target gene encoding Lys262-Ser375 is expressed.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	MSTN
Alternative Name:	GDF-8/Myostatin (MSTN Products)
Background:	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

Target Details

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

Synonym: Growth/differentiation factor 8, GDF-8, Myostatin, Mstn, Gdf8

Molecular Weight: 13.1 kDa

UniProt: [O14793](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

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

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.