

Datasheet for ABIN6239911

MSTN Protein (AA 267-375) (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	MSTN
Protein Characteristics:	AA 267-375
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This MSTN protein is labelled with His tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 97 %
Biological Activity Comment:	Myostatin (MSTN) also known as growth differentiation factor 8(GDF-8) is a member of the TGF beta protein family. Myostatin is a secreted growth differentiation factor that is produced and released by myocytes. This protein negatively regulates skeletal muscle cell proliferation and differentiation. Besides, Bone Morphogenetic Protein 1 (BMP1) has been identified as an interactor of MSTN, thus a binding ELISA assay was conducted to detect the interaction of recombinant human MSTN and recombinant human BMP1. Briefly, MSTN were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100µL were then transferred to BMP1-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-MSTN pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition

Product Details

of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µL stop solution to the wells and read at 450nm immediately. The binding activity of of MSTN and BMP1 was shown in Figure 1, and this effect was in a dose dependent manner The binding activity of MSTN with BMP1.

Target Details

Target:	MSTN
Abstract:	MSTN Products
Background:	Alternative Names: GDF8, Growth Differentiation Factor 8
Molecular Weight:	14kDa
UniProt:	O14793

Application Details

Application Notes:	Isoelectric Point: 6.8
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4.

Images

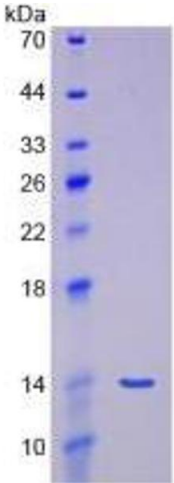


Image 1.