Active Recombinant Human MSTN protein, His-Avi-tagged, Biotinylated, Low Endotoxin

Cat. No. Mstn-4459H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human MSTN protein(O14793)(24-375 aa), fused with N-terminal His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	24-375 aa
Conjugation/Label	Biotin
Form	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human Latent GDF-8, His Avi Tag at 0.5μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Apitegromab, hFc Tag with the EC50 of 5.3ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 43 kDa. Due to glycosylation, the protein migrates to 13-15 kDa and 35-40 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 90% as determined by HPLC

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Storage	Store at -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name	MSTN myostatin [Homo sapiens]
Official Symbol	MSTN
Synonyms	MSTN; myostatin; GDF8, growth differentiation factor 8; growth/differentiation factor 8; GDF-8; growth differentiation factor 8; GDF8; MSLHP;
Gene ID	2660
mRNA Refseq	NM_005259
Protein Refseq	NP_005250
MIM	601788
UniProt ID	O14793

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