

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

Cat. No. MSTN-0341H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MSTN protein(O14793)(Asn24-Ser375), fused with N-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	24-375 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS, 200mM L-Arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human Latent GDF-8, His Tag at 1µg/ml (100 µl/well) on the plate. Dose response curve for Apitegromab, hFc Tag with the EC50 of 21.5 ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 41.19 kDa. Due to glycosylation, the protein migrates to 14 kDa, 38-40 kDa and 45-52 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; > 95% as determined by HPLC
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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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](#)

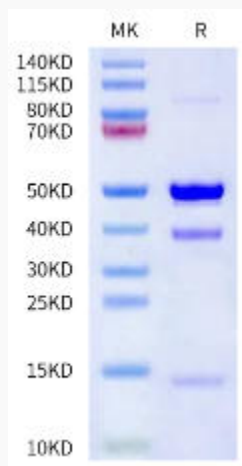
UniProt ID [O14793](#)

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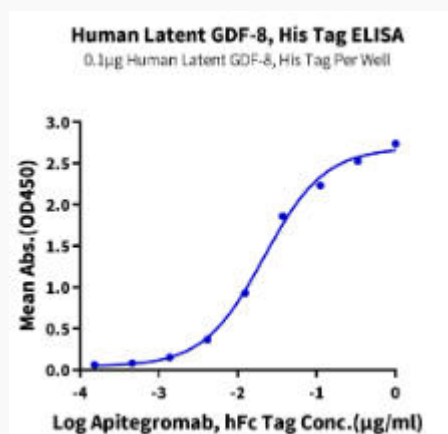
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Bis-Tris PAGE



ELISA Data



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