

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

**Cat. No.** MSTN-462H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MSTN protein(O14793)(Asn24-Ser375), fused with N-terminal His tag, was expressed in HEK293.                                                             |
| <b>Species</b>          | Human                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                    |
| <b>ProteinLength</b>    | 24-375 aa                                                                                                                                                                 |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                           |
| <b>Bio-activity</b>     | Immobilized Human Latent GDF-8, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Apitegromab, hFc Tag with the EC50 of 23.1ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 41.19 kDa. Due to glycosylation, the protein migrates to 14 kDa and 32-38 kDa based on Bis-Tris PAGE result.                            |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.                                                                                                                               |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE; > 90% as determined by HPLC                                                                                                         |
| <b>Storage</b>          | Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3                                                                                         |

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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

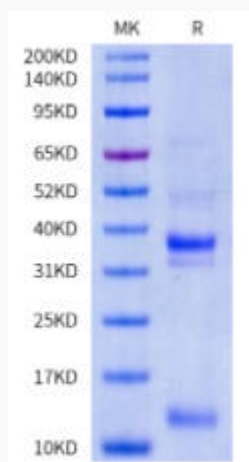
**UniProt ID** O14793

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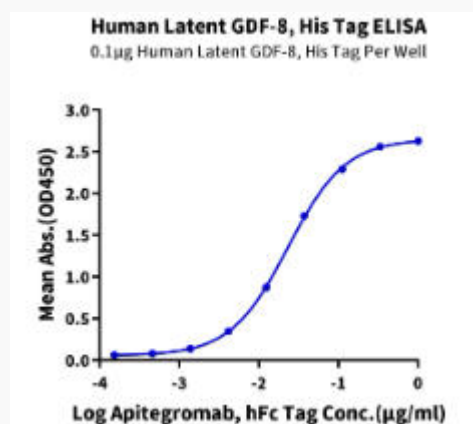
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## Bis-Tris PAGE



## ELISA Data



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