## **PRODUCT INFORMATION**

**Target** GDF8

**Synonyms** MSTN; MSLHP

Recombinant human GDF8 Protein with C-**Description** 

terminal human Fc tag

**Delivery** In Stock **Uniprot ID** 014793 **Expression Host HEK293** 

Tag C-Human Fc tag

Molecular

**Purity** 

**Background** 

GDF8(Asn24-Ser375) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 66.2 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 %

 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a secreted ligand of the TGF-

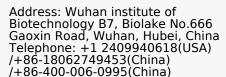
beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This

protein negatively regulates skeletal muscle cell proliferation and differentiation. Mutations in this gene are associated with increased skeletal

muscle mass in humans and other mammals. [provided by RefSeq, Jul 2016]

Research use only Usage

Unconjugated Conjugate



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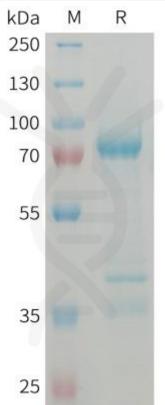


Figure 1. Human GDF8 Protein, hFc Tag on SDS-PAGE under reducing condition.

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