

# Human Myostatin Recombinant Protein



RPPB0777

---

## Product Information    Protein Information

**Product SKU:**

RPPB0777

**Accession:**

O14793

**Host:**

Escherichia Coli.

**Protein description:**

Myostatin Human Recombinant produced in E.Coli is a homodimer, non-glycosylated polypeptide chain containing 2 x 10<sup>9</sup> amino acids and having a total molecular mass of 24814 Dalton. The GDF-8 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

GDF-8, MSTN, Growth Differentiation Factor 8, MSTN Muscle Hypertrophy.

**Formulation:**

Lyophilized from a concentrated (1mg/ml) solution containing no additives.

**Purity:**

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Myostatin in sterile 20mM HCl at 0.1 mg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Myostatin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Myostatin should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

The sequence of the first five N-terminal amino acids was determined and was found to be Asp-Phe-Gly-Leu-Asp.

**Biological Activity:**

The ED50 as determined by the inhibition of the proliferation of MPC-11 cells is < 20ng/ml, corresponding to a Specific Activity of 50,000units/mg.