

Product: Myostatin, human, recombinant
Catalog #: 11-MYOS-H
Amount: 5 µg

DESCRIPTION: Recombinant human Myostatin (rHuMyostatin)
rHuMyostatin also called GDF-8 produced in E.Coli is a homodimer, non-glycosylated polypeptide chain containing 2 x 10⁹ amino acids and having a total molecular mass of 24814 Dalton.
The sequence of the first five N-terminal amino acids was determined and was found to be Asp-Phe-Gly-Leu-Asp

SOURCE: *Escherichia Coli* expression system

PURITY: > 98%, as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHuMyostatin

DIMERS & AGGREGATES: Less than 1% as determined by silver stained SDS-PAGE gel analysis

PROTEIN CONTENT: Protein quantitation was carried out by 2 independent methods:
- UV spectroscopy at 280 nm using the absorbency value of 1.55 as the extinction coefficient for a 0.1% (1mg/ml) solution.
This value is calculated by the PC GENE computer analysis program of protein sequences
- Analysis by RP-HPLC, using a standard solution of Myostatin as a Reference Standard

FORM: Purified, in 20mM acetic acid

CONCENTRATION: mg/ml

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

BIOLOGICAL ACTIVITY: rHuMyostatin is fully biologically active when compared to standard.
The ED50 as determined by the inhibition of the proliferation of MPC-11 cells is < 20 ng/ml.

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