

PRODUCT DATA SHEET

Myostatin Human HEK293

Cat. No.: RD172005100-HEK

Size: 0.1 mg

Source: HEK293

Type: Recombinant protein

Species: Human

Other Names:

Growth/differentiation factor 8, GDF-8, MSTN

Description:

Total 360 AA. MW: 41.1 kDa (calculated). UniProtKB acc. No. O14793 (Asn24–Ser375). N-terminal His-tag (6 extra AA) and N-terminal linker (2 extra AA). Protein identity confirmed by MS.

Amino Acid Sequence:

HHHHHSHASNE NSEQKENVEK EGLCNACTWR QNTKSSRIEA IKIQILSKLR LETAPNISKD
VIRQLLPKAP PLRELIDQYD VQRDDSSDGS LEDDDYHATT ETIITMPTES DFLMQVDGKP
KCCFFKFSK IQYNKVVKAQ LWIYLRPVET PTTVFVQILR LIKPMKDGTR YTGIRSLKLD
MNPGTGIWQS IDVKTVLQNW LKQPESNLGI EIKALDENGH DLAVTFPGPG EDGLNPFLEV
KVTDTPKRSR RDFGLDCDEH STESRCCRYP LTVDFEAFGW DWIIAPKRYK ANYCSGECEF
VFLQKYPHTH LVHQANPRGS AGPCCTPTKM SPINMLYFNG KEQIIYGKIP AMVVDRCGCS

Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/μg

Formulation:

Frozen from 0.25–0.8 mg/ml solution in phosphate buffered saline (PBS) pH 8.0 with 20 % (w/v) glycerol.

Reconstitution:

Defrost at ambient temperature.

Shipping:

On ice. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

Store protein at -80°C. Protein remains stable until the expiry date when stored at -80°C. Avoid repeated freezing/thawing cycles. The thawed protein can be stored at 4 °C for three days.

Quality Control:

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
Endotoxin level determination.

Applications:

ELISA, Western blotting

Note:

This product is intended for research use only.