

## PRODUCT DATA SHEET

### Myostatin Human, Bovine Polyclonal Antibody

**Cat. No.:** RD181005220

**Size:** 0.1 mg

**Source of Antigen:** E. coli

**Type:** Polyclonal Antibody

**Host:** Bovine

**Other Names:**

Growth/differentiation factor 8, GDF-8, MSTN

**Preparation:**

The antibody was raised in bovine by immunization with the recombinant Human Myostatin.

**Amino Acid Sequence of Immunogen:**

The immunization antigen (16.7 kDa) is a protein containing 152 AA of recombinant Human Myostatin. N-terminal His-tag including the spacer 43 AA (highlighted). The AA sequence of the human myostatin part of the fusion protein is corresponding to the UniProtKB/Swiss-Prot entry O14793, AA267–375.

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDPSSRSAVR SRRDFGLDCD  
EHSTESRCCR YPLTVDFEAF GWDWIIAPKR YKANYCSGEC EFVFLQKYPH  
THLVHQANPR GSAGPCCTPT KMSPINMLYF NGKEQIIYGK IPAMVVDRCG CS

The amino acid sequence of the recombinant Human Myostatin is 100% homologous to the amino acid sequence of the Human Myostatin.

**Purification Method:**

Immunoaffinity chromatography on a column with immobilized recombinant Human Myostatin.

**Species Reactivity:**

Human. Not yet tested in other species.

**Antibody Content:**

0.1 mg (determined by BCA method, BSA was used as a standard)

**Formulation:**

The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2. **\*\*AZIDE FREE\*\***.

**Reconstitution:**

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

**Shipping:**

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

The lyophilized antibody remains stable and fully active until the expiry date when stored at  $-20^{\circ}\text{C}$ . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at  $-80^{\circ}\text{C}$ . Reconstituted antibody can be stored at  $4^{\circ}\text{C}$  for a limited period of time; it does not show decline in activity after one week at  $4^{\circ}\text{C}$ .

**Quality Control:**

Indirect ELISA – to determine titer of the antibody

SDS PAGE – to determine purity of the antibody

BCA - to determine quantity of the antibody

**Applications:**

Western blotting

**Note:**

This product is for research use only.