

## 32-18041: Recombinant Human/Mouse/Rat GDF-8 Protein

**Uniprot ID :** O14793

**Alternative Name :** Growth/differentiation factor 8; GDF-8; Myostatin; Mstn; Gdf8

### Description

Molecular weight: 13.1 KDa

Description: Recombinant Human/Mouse/Rat Growth Differentiation Factor 8 is produced by our Mammalian expression system and the target gene encoding Lys262-Ser375 is expressed.

Growth/differentiation factor 8(Mstn, GDF-8) is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. It is expressed specifically in developing and adult skeletal muscle. It exists as a homodimer, and interacts with WFIKKN2, leading to inhibit its activity. This protein can act specifically as a negative regulator of skeletal muscle growth. It regulates cell growth and differentiation in both embryonic and adult tissues.

### Product Info

**Amount :** 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

**Storage condition :** 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).  
Lyophilized proteins are shipped at ambient temperature.