

**PRODUCT INFORMATION**

<b>Target</b>	GDF-8
<b>Synonyms</b>	Growth/differentiation factor 8;GDF-8;Myostatin;Mstn;Gdf8
<b>Description</b>	Recombinant Human/Mouse/Rat Growth Differentiation Factor 8 is produced by our Mammalian expression system and the target gene encoding Lys262-Ser375 is expressed.
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	O14793
<b>Expression Host</b>	HEK293
<b>Tag</b>	
<b>Molecular Characterization</b>	Not available
<b>Molecular Weight</b>	13.1 KDa
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Storage &amp; Shipping</b>	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.
<b>Background</b>	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.
<b>Usage</b>	Research use only



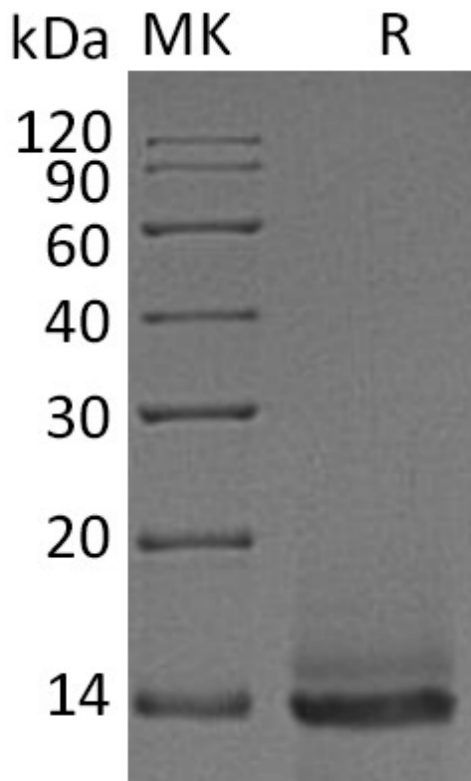


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

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