PRODUCT INFORMATION

Target	GDF-8
Synonyms	Growth/differentiation factor 8;GDF-8;Myostatin;Mstn;Gdf8
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.
Delivery	In Stock
Uniprot ID	O14793
Expression Host	HEK293
Tag	
Molecular Characterization	Not available
Molecular Weight	13.1 KDa
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Formulation & Reconstitution	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Storage&Shipping	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.
Background	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.
Usage	Research use only
Conjugate	Unconjugated

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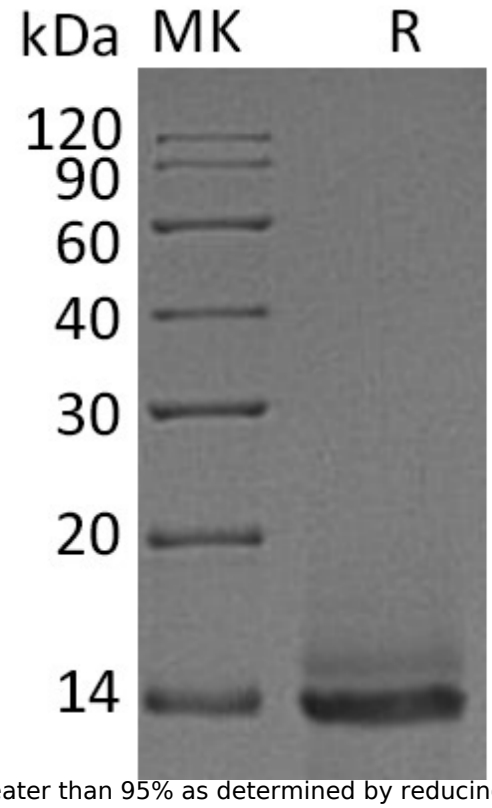


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

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