

Product datasheet for **TP727255**

Myostatin Propeptide (MSTN) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human/Mouse/Rat GDF-8/Myostatin
Species:	Human
Expression cDNA Clone or AA Sequence:	Lys262-Ser375
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human/Mouse/Rat Growth Differentiation Factor 8 is produced by our Mammalian expression system and the target gene encoding Lys262-Ser375 is expressed.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	2660
UniProt ID:	O14793
Synonyms:	Growth/differentiation factor 8;GDF-8;Myostatin;Mstn;Gdf8
Summary:	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.
Protein Families:	Druggable Genome, Secreted Protein



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