

Recombinant Human GDF11 Protein

Cat. No. GDF11-155H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Growth differentiation factor 11 is produced by our Mammalian expression system and the target gene encoding Asn299-Ser407 is expressed.
Species	Human
Source	Human Cells
ProteinLength	299-407 a.a.
Description	Growth/differentiation factor 11(GDF-11) is a secreted protein, which belongs to the transforming growth factor beta superfamily. GDF-11 controls anterior-posterior patterning by regulating the expression of Hox genes. The secreted signal acts globally to specify positional identity along the anterior/posterior axis during development. GDF11 has been shown to suppress neurogenesis through a pathway similar to that of myostatin, including stopping the progenitor cell-cycle during G-phase. The similarities between GDF11 and myostatin imply a likelihood that the same regulatory mechanisms are used to control tissue size during both muscular and neural development.
Form	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4.
AA Sequence	Asn299-Ser407
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).

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Purity	>95%
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Statement	Purity: greater than 95% as determined by reducing SDS-PAGE.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

GENE INFORMATION

Gene Name	GDF11 growth differentiation factor 11 [Homo sapiens (human)]
Official Symbol	GDF11
Synonyms	Growth/differentiation factor 11; GDF-11; Bone morphogenetic protein 11; BMP-11; VHO; BMP11
Gene ID	10220
mRNA Refseq	NM_005811.5
Protein Refseq	NP_005802.1

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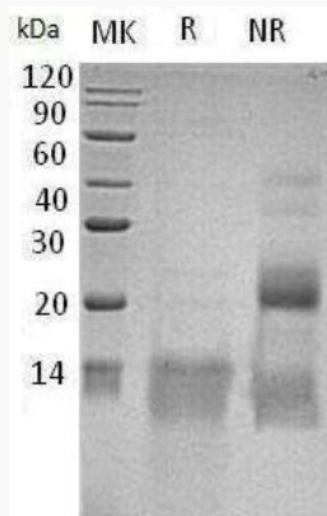
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MIM 603936

UniProt ID O95390

SDS-PAGE



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