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32-7654: Recombinant Human Growth Dfferentiation Factor 11/GDF-11/BMP-11

Gene : GDF11
Gene ID : 10220
Uniprot ID : O95390

Description

Source: Human Cells.
MW :12.6kD.
Recombinant Human Growth differentiation factor 11 is produced by our Mammalian expression system and the target gene encoding Asn299-Ser407 is expressed. 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.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.
Storage condition :	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.
Amino Acid :	NLGLDCDEHSSESRCCRYPLTVDFEAFGWDWIIAPKRYKANYCSGQCEYMFMQKYPHTHLVQQANPRGSAGP CCTPTKMSPINMLYFNDKQQIIYGKIPGMVVDRCGCS

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ÃÂµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.