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32-1246: GDF11 Recombinant Protein

Alternative Name : Growth Differentiation Factor 11,GDF-11,Bone Morphogenetic Protein 11,BMP11.

Description

Source : Escherichia Coli. GDF11 Human Recombinant produced in E.Coli is a non-glycosylated homodimer containing 2x109 amino acids and having a total molecular mass of 25.0kDa. GDF-11 belongs to the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. GDF-11 is a central developmental factor which controls muscular and neural development. In adults, GDF-11 encourages cardiac hypertrophy reverse by the revival of cardiomyocytes.

Product Info

Amount :	20 µg
Purification :	Greater than 97.0% as determined by: (a) Analysis by HPLC. (b) Analysis by SDS-PAGE.
Content :	Lyophilized from a concentrated (1mg/ml) solution containing 0.1% Trifluoroacetic Acid (TFA).
Storage condition :	Lyophilized GDF11 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GDF11 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	NLGLDCDEHS SESRCCRYPL TVDFEAFGWD WIIAPKRYKA NYCSGQCEYM FMQKYPHTHL VQQANPRGSA GPCCTPTKMS PINMLYFNDK QQIIYGKIPG MVVDRCGCS

Application Note

It is recommended to reconstitute the lyophilized GDF11 in sterile 18M-cm H2O not less than 100ÂµÂµg/ml, which can then be further diluted to other aqueous solutions. The ED50 as determined by the ability to inhibit alkaline phosphatase activity in ATDC5 cells, is 0.2-0.3ng/ml, corresponding to a specific activity of 5 x 106units/mg.