9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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GDF11 Human

Growth and Differentiation factor 11 Human Recombinant
CYK0169

Product Overview

Name	GDF11 Human
Description	
Growth and Differentiation factor 11 Human Recombinant	
Accession (Primary)	O95390
Synonyms	
Growth Differentiation Factor 11, GDF-11, Bone Morphogenetic Protein 11, BMP11.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a concentrated (1mg/ml) solution containing 0.1% Trifluoroacetic Acid (TFA).	
Stability	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
NLGLDCDEHS SESRCCRYPL TVDFEAFGWD WIIAPKRYKA NYCSGQCEYM FMQKYPHTHL VQQANPRGSA GPCCTPTKMS PINMLYFNDK QQIIYGKIPG MVVDRCGCS	
Biological Activity	
The ED 50 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 10 6 units/mg.	

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Solubility

It is recommended to reconstitute the lyophilized GDF11 in sterile 18M-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

GDF11 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O95390)