

Human GDF11 Recombinant Protein



RPPB0310

Product Information Protein Information

Product SKU:

RPPB0310

Accession:

O95390

Host:

Escherichia Coli.

Protein description:

GDF11 Human Recombinant produced in E.Coli is a non-glycosylated homodimer containing 2x109 amino acids and having a total molecular mass of 24.9kDa.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

Lyophilized from a concentrated (1mg/ml) solution containing 0.1% Trifluoroacetic Acid (TFA).

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

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

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.

Amino Acid Sequence:

NLGLDCDEHS SESRCCRYPL TVDFEAFGWD WIIAPKRYKA NYCSGQCEYM FMQKYPHTHLVQQANPRGSA
GPCCTPTKMS PINMLYFNDK QQIYKIPG MVVDRCGCS

Biological Activity:

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.