

Human GDF7 Recombinant Protein



RPPB0307

Product Information Protein Information

Product SKU:

RPPB0307

Accession:

Q7Z4P5

Host:

Escherichia Coli.

Protein description:

GDF7 Human Recombinant (322-450) produced in E.Coli is a disulfide-linked homodimeric, non-glycosylated, polypeptide chain containing 129 amino acids and having a molecular mass of 28kDa. The GDF-7 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Growth Differentiation Factor 7, GDF-7, Growth/Differentiation Factor 7, BMP12, GDF7.

Formulation:

Lyophilized from a 0.2µm filtered solution in HCl.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized GDF-7 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized GDF7 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GDF-7 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:

TALAGTRTAQ GSGGGAGRGH GRRGRSRCSR KPLHVDFKEL GWDDWIIAPL DYEAYHCEGL CDFPLRSHLE PTNHAIQTL LNSMAPDAAP ASCCVPARLS PISILYIDAA NNVVYKQYED MVVEACGCR.

Biological Activity:

The ED₅₀, as determined by inducing alkaline phosphatase production by mouse ATDC5 cells, is less than 1.25µg/ml.