

Human GDF15 Recombinant Protein



RPPB0314

Product Information Protein Information

Product SKU:

RPPB0314

Accession:

Q99988

Host:

Escherichia Coli.

Protein description:

GDF15 Human Recombinant produced in E.Coli is a homodimeric, non-glycosylated, Polypeptide chain containing 2x113 amino acids and having a molecular mass of 24.8 kDa. The GDF15 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

GDF-15, MIC1, MIC-1, NAG-1, PDF, PLAB, PTGFB, Growth/differentiation factor 15, Placental bone morphogenetic protein, Placental TGF-beta, Macrophage inhibitory cytokine 1, Prostate differentiation factor, NSAID-activated gene 1 protein, NSAID-regulated gene 1 protein, NRG-1, GDF15.

Formulation:

GDF15 is lyophilized from a sterile filtered 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 GDF15 in sterile 18M-cm H₂O at a concentration of 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized GDF15 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GDF15 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:

MARNGDHCPL GPGRCRLHT VRASLEDLGW ADWVLSPREV QVTMCIGACP SQFRAANMHA QIKTSLHRLK
PDTVPAPCCV PASYNPMVLI QKTDTGVSLQ TYDDLAKDC HCI.

Biological Activity:

The activity can be determined by the inhibition of DU-145 cells and is typically 1-2µg/ml.