

Recombinant Human GDF-3

CATALOG #: JM-4757-20 20 µg
JM-4757-100 100 µg
JM-4757-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng per µg of GDF-3.

MOL. WEIGHT: 13 kDa (SDS-PAGE)

FORM: Sterile filtered and lyophilized with no additive

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers and store at 4°C for 1 week or –20°C for future use.

STORAGE CONDITIONS:

The lyophilized GDF-3 is best-stored desiccated below 0°C. Reconstituted GDF-3 should be stored at working aliquots at -20°C.

DESCRIPTION:

GDF-3 is a member of the TGF-β superfamily of growth and differentiation factors, and is highly homologous to GDF-9. Unlike most TGF-β family members, GDF-3 and GDF-9 are not disulfide-linked dimers. GDF-3 is expressed in adult bone marrow, spleen, thymus, and adipose tissue. The expression of GDF-3 is upregulated in high-fat-fed wild-type FABP4/aP2 null mice and was associated with obesity, but not with the related hyperglycemia/hyperinsulinemia which characterizes Type-2 diabetes. Recombinant human GDF-3 contains 114 amino acids polypeptide chains.

For Research Use Only! Not to be used in humans.

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