10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GDF-3, human recombinant protein
Growth/Differentiation Factor-3
Catalog # PBV10398r

Specification

GDF-3, human recombinant protein - Product info

Primary Accession	Q9NR23
Calculated MW	**13 kDa KDa**

GDF-3, human recombinant protein - Additional Info

Gene ID	**9573**
Gene Symbol	**GDF3**

Other Names
Growth/Differentiation Factor-3

Gene Source	**Human**
Source	**E. coli**
Assay&Purity	**SDS-PAGE; ≥98%**
Assay2&Purity2	**HPLC; ≥98%**
Recombinant	**Yes**

Application Notes
Reconstitute in H_2O to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers

Format
Lyophilized protein

Storage
-20°C; Sterile filtered and lyophilized with no additive

GDF-3, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GDF-3, human recombinant protein - Images

GDF-3, human recombinant protein - Background

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

GDF-3, human recombinant protein - References

Lorenz B.,et al.Submitted (MAY-2000) to the EMBL/GenBank/DDBJ databases.
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Ye M.,et al.Hum. Mol. Genet. 19:287-298(2010).