

### 32-20139: Animal-Free Recombinant Human GDF-3(Discontinued)

**Alternative Name :** Growth/Differentiation Factor-3, Vgr-2, UNQ2222/PRO248

#### Description

**Source:** *E.coli* GDF-3 is a member of the TGF-Beta superfamily of growth and differentiation factors, and is highly homologous to GDF-9. Unlike most TGF-Beta 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 that characterizes Type 2 diabetes. Recombinant Human GDF-3 is a 26.0 kDa non-disulfide-linked homodimer containing two 114 amino acid polypeptide chains.

#### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** AAIPVPKLSC KNLCHRHQLF INFRDLGWHK WIIAPKGFMA NYCHGECFPS LTISLNSSNY  
AFMQALMHAV DPEIPQAVCI PTKLSPISML YQDNNDNVIL RHYEDMVVDE CGCG

#### Application Note

Determined by its ability to inhibit induced alkaline phosphatase production by ATDC-5 chondrogenic cells. The ED<sub>50</sub> for this effect is 100-150 ng/ml.