

# Recombinant Human GDF3 Protein (Ala251-Gly364), His tagged

**Cat. No.** GDF3-3584H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human GDF3 (Ala251-Gly364) protein fused with His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Ala251-Gly364                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | Growth factor involved in early embryonic development and adipose-tissue homeostasis. During embryogenesis controls formation of anterior visceral endoderm and mesoderm and the establishment of anterior-posterior identity through a receptor complex comprising the receptor ACVR1B and the coreceptor TDGF1/Cripto. Regulates adipose-tissue homeostasis and energy balance under nutrient overload in part by signaling through the receptor complex based on ACVR1C and TDGF1/Cripto. |
| <b>Molecular Mass</b>   | 14.03 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>           | >90 % as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Notes</b>            | For research use only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>          | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8                                                                                                                                                                                                                                                                                                                                                                                                          |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.

**Storage Buffer** Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.

**Reconstitution** Reconstitute in sterile water for a stock solution.

**Shipping** In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

## GENE INFORMATION

**Gene Name** GDF3 growth differentiation factor 3 [ Homo sapiens (human) ]

**Official Symbol** GDF3

**Synonyms** GDF3; growth differentiation factor 3; growth/differentiation factor 3; GDF-3; KFS3; MCOP7; MCOPCB6;

**Gene ID** 9573

**mRNA Refseq** NM\_020634

**Protein Refseq** NP\_065685

**MIM** 606522

**UniProt ID** Q9NR23

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA