

# Recombinant Human Growth Differentiation Factor 15

Cat. No. GDF15-337H    Lot. No. (See product label)

## SPECIFICATION

### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Species               | Human                                                                                                                                                                                                                                                                                                                                                                                          |
| Source                | CHO                                                                                                                                                                                                                                                                                                                                                                                            |
| Description           | Growth differentiation factor 15 (GDF15) is a protein belonging to the transforming growth factor beta superfamily that has a role in regulating inflammatory and apoptotic pathways in injured tissues and during disease processes. GDF15 is also known as TGF-PL, MIC-1, PDF, PLAB, and PTGFB. GDF15 is predominantly expressed in the liver, with lower levels seen in some other tissues. |
| Molecular Weight      | The predicted molecular weight of Recombinant Human MIC-1 is Mr 13 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 14 kDa.                                                                                                                                                                                                                                |
| State Of Matter       | Lyophilized.                                                                                                                                                                                                                                                                                                                                                                                   |
| Purity                | >97% by SDS Page and analyzed by silver stain.                                                                                                                                                                                                                                                                                                                                                 |
| Endotoxin             | <1.0 EU/g as determined by the LAL method.                                                                                                                                                                                                                                                                                                                                                     |
| Storage And Stability | This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated                                                                                                                                    |

 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

Freeze Thaw Cycles.

## GENE INFORMATION

**Gene Name** [GDF15 growth differentiation factor 15 \[ Homo sapiens \]](#)

**Synonyms** GDF15; growth differentiation factor 15; PDF; MIC1; PLAB; MIC-1;NAG-1; PTGFB; GDF-15; PTGF-beta; prostate differentiation factor; NSAID(nonsteroidal anti-inflammatory drug)-activatedprotein 1; NRG-1; Macrophage inhibitory cytokine 1; NSAID-activated gene1 protein; NSAID-regulated gene 1 protein; Placental TGF-beta; Placentalbone morphogeneticprotein

**Gene ID** [9518](#)

**mRNA Refseq** [NM\\_004864](#)

**Protein Refseq** [NP\\_004855](#)

**MIM** [605312](#)

**UniProt ID** [Q99988](#)

**Chromosome Location** 19p13.11

**Function** cytokine activity; growth factor activity

 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