

## GDF15 recombinant protein

GDF15, 189-303aa, Mouse, His tag, E Coli (Denatured)

|                              |                       |                                 |
|------------------------------|-----------------------|---------------------------------|
| CATALOG #<br><b>AAA48886</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|-----------------------|---------------------------------|

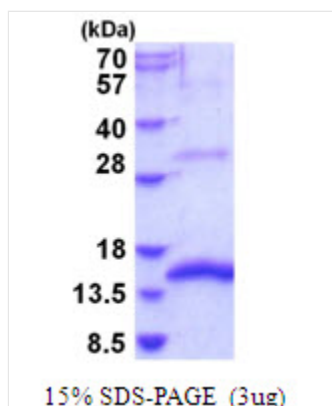
### PRODUCT SYNONYMS

GDF15; 189-303aa; Mouse; His tag; E Coli (Denatured); Growth/differentiation factor 15 precursor; MIC-1; NAG-1; SBF; GDF15 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                 |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | E Coli                                                                                                                                                                          |
| Purity/Purification                                   | > 90% by SDS-PAGE                                                                                                                                                               |
| Form/Format                                           | Liquid. In 20mM Phosphate buffer (pH 8.0) containing 10% glycerol.                                                                                                              |
| Concentration                                         | 1.0 mg/ml (determined by Bradford assay) (varies by lot)                                                                                                                        |
| Sequence                                              | MGSSHHHHHH SSGLVPRGSH MGSSAHAPR DSCPLGPGRC CHLETVQATL EDLGWSDWVL SPRQLQLSMC<br>VGECPLYRS ANTHAIKAR LHGLQPKVP APCCVPSSYT PVVLMHRTDS GVSLQTYDDL VARGCHCA                          |
| Sequence Length                                       | 303                                                                                                                                                                             |
| Applicable Applications for GDF15 recombinant protein | SDS-PAGE                                                                                                                                                                        |
| Antigen Species                                       | Mouse                                                                                                                                                                           |
| Tag Information                                       | His-tag                                                                                                                                                                         |
| Preparation and Storage                               | Can be stored at 4 degree C short term (1-2 weeks).<br>For long term storage, aliquot and store at -20 degree C or -70 degree C.<br>Avoid repeated freezing and thawing cycles. |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for GDF15 recombinant protein | Growth/differentiation factor 15, also known as GDF15, is a member of the TGF superfamily. It has a role in regulating inflammatory and apoptotic pathways in injured tissues and during disease processes. They are synthesized as precursor molecules that are processed at a dibasic cleavage site to release C-terminal domains containing a characteristic motif of 7 conserved cysteines in the mature protein. Recombinant mouse GDF15 fused to His-tag at N-terminus, was expressed in E Coli. |
| Product Categories/Family for GDF15 recombinant protein   | Hormones & Cytokines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| References                                                | Zimmers TA, Jin X, et al. (2005). Shock. 23 (6):543-8.; Hsiao EC, Koniaris LG, et al. (2000). Mol Cell Biol. 20 (10):3742-51.;                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 170784848                                      |
| NCBI GeneID                      | 23886                                          |
| NCBI Accession #                 | NP_035949                                      |
| NCBI GenBank Nucleotide #        | NM_011819.3                                    |
| UniProt Accession #              | Q9Z0J7; Q6NX63                                 |
| Molecular Weight                 | 14.9 kDa (138aa)                               |
| NCBI Official Full Name          | growth/differentiation factor 15 preproprotein |
| NCBI Official Synonym Full Names | growth differentiation factor 15               |
| NCBI Official Symbol             | Gdf15                                          |
| NCBI Official Synonym Symbols    | SBF; MIC-1; NAG-1                              |
| NCBI Protein Information         | growth/differentiation factor 15               |
| UniProt Protein Name             | Growth/differentiation factor 15               |
| UniProt Gene Name                | Gdf15                                          |
| UniProt Synonym Gene Names       | Sbf; GDF-15                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.