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## Recombinant mouse GDF-15 protein

Catalog Number: ATGP2913

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

189-303aa

#### UniProt No.

Q9Z0J7

#### **NCBI Accession No.**

NP 035949.2

#### **Alternative Names**

Growth/differentiation factor 15 precursor, Growth/differentiation factor 15 precursor, MIC-1, NAG-1, SBF

## PRODUCT SPECIFICATION

### **Molecular Weight**

14.9 kDa (138aa)

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

#### **Application**

SDS-PAGE, Denatured

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

### **Description**

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.



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## **Amino acid Sequence**

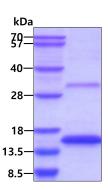
<MGSSHHHHHH SSGLVPRGSH MGS>SAHAHPR DSCPLGPGRC CHLETVQATL EDLGWSDWVL SPRQLQLSMC VGECPHLYRS ANTHAQIKAR LHGLQPDKVP APCCVPSSYT PVVLMHRTDS GVSLQTYDDL VARGCHCA

### **General 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.

## **DATA**

## SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

