

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 LHGLQPKVP APCCVPSSYT PVVLMHRTDS GVSLQTYDDL VARGCHCA

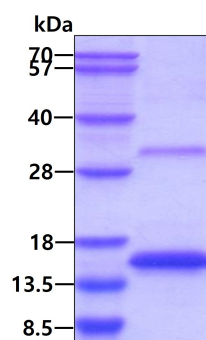
General References

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.