PRODUCT INFORMATION

Target GDF15

Synonyms SBF; MIC-1; NAG-1

Recombinant mouse GDF15 Protein with C-Description

terminal 3×Flag tag

Delivery In Stock **Uniprot ID** Q9Z0J7 **Expression Host HEK293**

Tag C-3×Flag Tag

Molecular

Background

Mouse GDF15(Met1-Ala303) 3×Flag tag Characterization

The protein has a predicted molecular mass of **Molecular Weight** 36.2 kDa after removal of the signal peptide.

The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation &

lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a secreted ligand of the TGF-

beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to

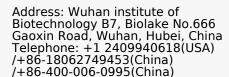
recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. The protein is expressed in a broad range of cell types, acts as a pleiotropic cytokine and is

involved in the stress response program of cells after cellular injury. Increased protein levels are associated with disease states such as tissue hypoxia, inflammation, acute injury and oxidative stress. Mice lacking a functional copy of this gene exhibit progressive loss of motor neurons, and more rapid blood clot formation. [provided by

RefSeq, Aug 2016]

Usage Research use only

Conjugate Unconjugated



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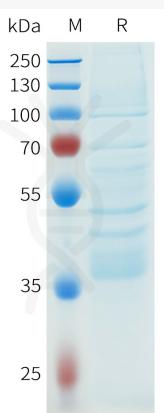


Figure 1. Mouse GDF15 Protein, Flag Tag on SDS-PAGE under reducing condition.

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