

GDF-15 Protein, Human, Recombinant (hFc) V2

General Information

Synonyms:	MIC-1;PDF;MIC1;PTGFB;GDF-15;PLAB;NAG-1;growth differentiation factor 15
Protein Construction:	Ala197-Ile308
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q99988
Molecular Weight:	37.9 kDa (Predicted); 40-50 kDa (Due to glycosylation)

QC Testing

Biological Activity:	Immobilized Human GFRAL, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Human GDF15, hFc Tag with the EC50 of 2.5 ng/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE; > 92% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Growth and differentiation factor 15 (GDF15) is an inflammation-associated hormone with poorly defined biology. Here, we investigated the role of GDF15 in bacterial and viral infections. Inflammation induced GDF15, and that GDF15 was necessary for surviving both bacterial and viral infections, as well as sepsis. The protective effects of GDF15 were largely independent of pathogen control or the magnitude of inflammatory response, suggesting a role in disease tolerance.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481