

Recombinant Human GDF15 Protein, Ala197-Ile308, N-His-Avi tagged, Biotinylated

Cat. No. GDF15-102H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human GDF15-N-His-Avi protein was developed from HEK293 and has a target region of N-His-Avi.
Species	Human
Source	HEK293
ProteinLength	Ala197-Ile308
Description	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.
Conjugation/Label	Biotin
Form	Lyophilised
Endotoxin	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	FOR RESEARCH USE ONLY (RUO).
Storage	The lyophilized protein is stable for at least 1 year from date of receipt at -20 centigrade.
Storage Buffer	Lyophilised from 0.2 µm filtered PBS solution pH 7.4. Upon receipt centrifuge vial to ensure maximal product extraction, recommended: 20 sec, 5K RPM
Conjugation	Biotin
GENE INFORMATION	
Gene Name	GDF15 growth differentiation factor 15 [Homo sapiens (human)]
Official Symbol	GDF15
Synonyms	GDF15; growth differentiation factor 15; growth/differentiation factor 15; MIC 1; MIC1; NAG 1; PDF; PLAB; prostate differentiation factor; PTGFB; NRG-1; PTGF-beta; placental TGF-beta; NSAID-activated gene 1 protein; NSAID-regulated gene 1 protein; macrophage inhibitory cytokine 1; placental bone morphogenetic protein; NSAID (nonsteroidal anti-inflammatory drug)-activated protein 1; MIC-1; NAG-1; GDF-15;
Gene ID	9518
mRNA Refseq	NM_004864
Protein Refseq	NP_004855
MIM	605312

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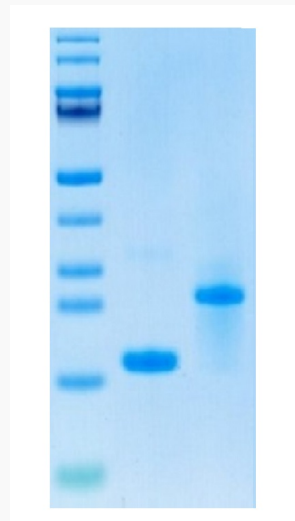
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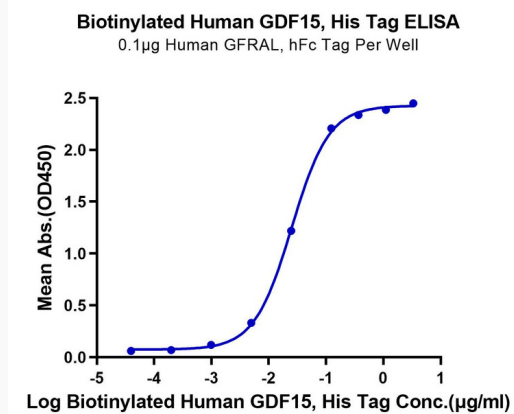
UniProt ID

Q99988

Biotinylated Human GDF15 on Tris-Bis PAGE under reduced (R) condition and Non reducing (N) condition. The purity is greater than 95%.



Immobilized Human GFRAL, hFc Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Human GDF15, His Tag with the EC50 of 17.5 ng/mL determined by ELISA.



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