

## Recombinant Human GDF-15

<b>CATALOG #:</b>	4569-20	20 µg
	4569-100	100 µg
	4569-1000	1 mg
<b>SOURCE:</b>	<i>E. coli</i>	
<b>PURITY:</b>	> 95% by SDS-PAGE Endotoxin level as measured by LAL analysis is ≤ 1 EU/µg.	
<b>MOL. WEIGHT:</b>	12.4 kDa (monomer), 24.8 kDa (dimer)	
<b>FORM:</b>	Recombinant human GDF-15 is lyophilized from a sterile 0.2 micron filtered aqueous solution containing 0.1% trifluoroacetic acid (TFA).	

### RECONSTITUTION:

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile deionized water or a solution of 5 mM acetic acid at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions.

### STORAGE CONDITIONS:

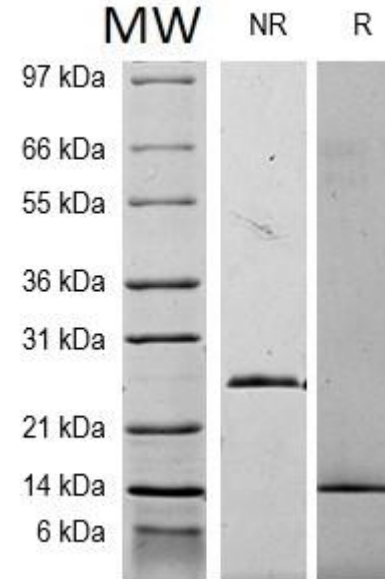
Lyophilized product is very stable at -20 °C. Reconstituted material should be aliquoted and frozen at -20 °C. It is recommended that a carrier protein (0.1% BSA) be added for long term storage.

### DESCRIPTION:

Growth and differentiation factor 15 (GDF-15) is a TGFβ family member, made by in the placenta and heart tissues, that has a role in regulating inflammatory and apoptotic pathways. GDF-15 has become an emerging marker of early heart disease and has the potential as being used as a molecule for screening patients for early heart failure. Recombinant human GDF-15 is a non-glycosylated, disulfide linked homodimer. It is comprised of two identical 120 amino acid monomers and has a total molecular mass of 26.8 kDa.

### AMINO ACID SEQUENCE:

MARNGDHCPL GPRCCRLHT VRASLEDL GW ADWVLSPREV QVTMCIGACP SQFRAANMHA QIKTSLHRLK PDTVPAPCCV PASYNPMVLI QKTDGTGVSLQ TYDDLAKDC HCl



1 µg of Recombinant Human GDF-15 was loaded under non-reducing (NR) and reducing (R) conditions on SDS-PAGE and visualized by Coomassie blue stain.

### RELATED PRODUCTS:

- GDF-3 Antibody (Cat. No. 5757)
- GDF-3, Human Recombinant (Cat. No. 4757)
- GDF-9 Antibody (Cat. No. 5872)
- GDF9, Human Recombinant (Cat. No. 4872)
- BMP-12/GDF-7, Human Recombinant (Cat. No. 4572)
- BMP-14 (GDF-5/CDMP-1), Human Recombinant (Cat. No. 4580)
- BMP-3 Antibody (Cat. No. 5673)
- Anti-BMP-3 Antibody (Cat. No. 5673R)
- BMP-3, Human Recombinant (Cat. No. 4573)
- TPO Antibody (Cat. No. 5351R)
- Recombinant Human GDF-15-D (Cat. No. 4570)

**FOR RESEARCH USE ONLY! Not to be used on humans.**