

Recombinant Human GDF-15-D

CATALOG #:	4570-5	5 µg
	4570-20	20 µg
	4570-100	100 µg
	4570-1000	1 mg
SOURCE:	<i>E. coli</i>	
PURITY:	≥ 95% by SDS-PAGE Endotoxin level as measured by LAL analysis, is <0.01 ng/µg or <0.1 EU/µg.	
MOL. WEIGHT:	26.8 kDa	
FORM:	Recombinant human GDF-15-D is lyophilized with no additives.	

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 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% HSA or BSA) is 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 (D-variant) 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. There is a His to an Asp substitution at position 7.

BIOLOGICAL ACTIVITY:

The activity is determined by the inhibition of DU-145 cells and is typically 1-2 µg/ml.

AMINO ACID SEQUENCE:

MARNGDDCPL GPGRCCRLHT VRASLEDLGW ADWVLSPREV QVTMCIGACP SQFRAANMHA
QIKTSLHRLK PDTVPAPCCV PASYNPMVLI QKTDGVSLLQ TYDDLLAKDC HCI

RELATED PRODUCTS:

- 5757-100 GDF-3 Antibody
- 4757-20, 100, 1000 GDF-3, human recombinant
- 4757-20, 1000 GDF-3, human recombinant
- 4667-10, 50, 1000 GDF-5, human recombinant
- 5872-100 GDF-9 Antibody
- 4872-20, 100, 1000 GDF9, human recombinant
- 4572-20, 100, 1000 BMP-12/GDF-7, human recombinant
- 4580-10, 50, 1000 BMP-14 (GDF-5/CDMP-1), human recombinant
- 5673-100 BMP-3 Antibody
- 5673R-100 BMP-3 Antibody
- 4573-10, 50, 1000 BMP-3, human recombinant
- 5351R-100 TPO Antibody
- 4569-5, 20,100, 1000 Recombinant Human GDF-15

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