

Recombinant Human GDF-15-D

CATALOG #:

4570-5	5 µg
4570-20	20 µg
4570-100	100 µg
4570-1000	1 mg

SOURCE: *E. coli*

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 GPGRCRLHT VRASLEDLW ADWVLSPREV QVTMCIGACP SQFRAANMHA
QIKTSLHRLK PDTVPAPCCV PASYNPMVLI QKTDGTGVSQ TYDDLAKDC 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

USAGE:

For research use only. Not to be used in humans.

