

GDF-15-D, human recombinant protein
MIC1, PDF, PLAB, PTGFB
Catalog # PBV10310r**Specification**

GDF-15-D, human recombinant protein - Product info

Primary Accession [Q99988](#)
Calculated MW **26.8 kDa KDa**

GDF-15-D, human recombinant protein - Additional Info

Gene ID **9518**
Gene Symbol **GDF-15**
Other Names
MIC-1, Placental TGF β , Prostate differentiation factor

Gene Source **Human**
Source **E. coli**
Assay&Purity **SDS-PAGE; $\geq 95\%$**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Results **1-2 $\mu\text{g/ml}$**
Sequence **MARNGDDCPL GPGRCCRLHT VRASLEDLGW
ADWVLSPREV QVTMCIGACP SQFRAANMHA
QIKTSLHRLK PDTVPAPCCV PASYNPMVLI
QKTDGTGVSQ TYDDLAKDC HCI**

Target/Specificity
GDF-15-D

Application Notes

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.

Format

Lyophilized protein

Storage

-20°C; Sterile filtered and lyophilized with no additives

GDF-15-D, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GDF-15-D, human recombinant protein - Images**GDF-15-D, human recombinant protein - Background**

Growth and differentiation factor 15 (GDF-15) is a TGF β 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.

GDF-15-D, human recombinant protein - References

Hromas R., et al. Biochim. Biophys. Acta 1354:40-44(1997).
Yokoyama-Kobayashi M., et al. J. Biochem. 122:622-626(1997).
Bootcov M.R., et al. Proc. Natl. Acad. Sci. U.S.A. 94:11514-11519(1997).
Paralkar V.M., et al. J. Biol. Chem. 273:13760-13767(1998).
Kalinine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.