

## 32-12088: Human Growth and Differentiation Factor-15 (AF)

**Gene :** GDF15  
**Gene ID :** 9518  
**Uniprot ID :** Q99988  
**Alternative Name :** MIC1, PDF, PLAB, PTGFB, Placental TGF-beta, Placental bone morphogenetic protein, Prostate differentiation factor, Macrophage inhibitory cytokine 1

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Dimer, 12.4/24.8 kDa (113/226 aa)

Growth differentiation factor 15 (GDF-15) is a member of the transforming growth factor beta (TGF-beta) family and is made by the placenta and cardiovascular tissues. GDF-15 regulates inflammatory and apoptotic pathways during cellular stress and injury. GDF-15 is emerging as a biomarker of early heart disease, such that increased levels of circulating GDF-15 are associated with an increased risk of developing heart failure.

### Product Info

**Amount :** 20 µg / 100 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at >= 95%  
**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)  
Sterile water at 0.1 mg/mL  
**Storage condition :** Store at -20°C  
**Amino Acid :** MARNGDHCPLA GPGRCRLHTA VRASLEDLGWA ADWVLSPREVA QVTMCIGACP A SQFRAANMHA QI KTS LHLRLK A PDTVPAPCCVA PASYNPMVLIQKTD TGVSLQA TYDDLAKDCA HCI

### Application Note

**Endotoxin:** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.

