

**GDF-15, 195-308 aa, Human, His-tag, E.coli**

**Cat.NO.: TP02219**

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3th Edition

**Synonyms:**Growth differentiation factor 15, GDF-15, MIC-1, MIC1, NAG-1, PDF, PLAB, PTGFB

**Description:**Growth differentiation factor 15 (GDF-15) is a protein belonging to the transforming growth factor beta superfamily that has a role in regulating inflammatory and apoptotic pathways in injured tissues and during disease processes. This protein is most abundant in the liver, with lower levels seen in some other tissues. Its expression in liver can be significantly up-regulated in during injury of organs such as liver, kidney, heart and lung.

**Form:**Liquid. In 10mM Sodium Citrate (pH3.5) containing 10% glycerol

**Molecular Weight:**16.7 kDa (151aa), confirmed by MALDI-TOF (molecular weight on SDS-PAGE will appear higher)

**Sequences:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMARARNGDHCPLGPGRCCRLHTVRASLEDLGWAD  
WVLSPREVQVTMCIGACPSQFRAANMHAQIKTSLHRLKPDTVPAPCCVPASYNPMVLIQKTDGTGVSLQTYDDLAK  
DCHCI

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.