

GDF15, 189-303aa, Mouse, His tag, E.coli

Cat.NO.: TP02222

3th Edition

Synonyms:Growth/differentiation factor 15 precursor, MIC-1, NAG-1, SBF

Description:Growth/differentiation factor 15, also known as GDF15, is a member of the TGF superfamily. It has a role in regulating inflammatory and apoptotic pathways in injured tissues and during disease processes. They are synthesized as precursor molecules that are processed at a dibasic cleavage site to release C-terminal domains containing a characteristic motif of 7 conserved cysteines in the mature protein. Recombinant mouse GDF15 fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Phosphate buffer (pH 8.0) containing 10% glycerol.

Molecular Weight:14.9 kDa (138aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSSAAHAPRDSCPLGPGRCCHLETVQATLEDLGWSDWVLSRQLQLSMCVG
ECPHLYRSANTHAQIKARLHGLQPKVPAPCCVPSSYTPVVLHMRTDSGVSLQTYDDLVARGCHCA

Purity:> 95% by HPLC

Concentration:1.0 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.