

Growth and Differentiation factor 15 Recombinant Protein | GDF15 recombinant protein

Recombinant Mouse Growth and Differentiation factor 15

CATALOG # AAA38021	HOST E Coli
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PRODUCT SYNONYMS

Growth and Differentiation factor 15; Recombinant Mouse Growth and Differentiation factor 15; Growth/differentiation factor 15; GDF-15.; GDF15 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	GDF15 protein solution (1.0mg/ml) containing 20mM Phosphate buffer (pH 8.0) and 10% glycerol. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMGS SAHAHPRDSC PLGPGRCHL ETVQATLEDL GWSDWVLSPR QLQLSMCVGE CPHLYRSANT HAQIKARLHG LQPDKVPAPC CVPSSYTPVV LMHRTDSGVS LQTYDDLVAR GCHCA
Sequence Length	303
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for GDF15 recombinant protein	Introduction: GDF15 is part of the TGF-Beta superfamily which is involved in regulating inflammatory and apoptotic pathways in injured tissues and throughout disease processes. GDF15 is most abundant in the liver. Its expression in liver can be considerably up-regulated in during injury of organs such as liver, kidney, heart and lung. GDF-15 promotes proliferation or growth arrest and differentiation due to differences in cellular differentiation. GDF15 prevents apoptosis in cerebellar granule neurons by activating Akt and inhibiting endogenously active ERK. GDF15 is a novel autocrine/endocrine factor that antagonizes the hypertrophic response and loss of ventricular performance. Description: GDF15 Mouse Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 138 amino acids (189-303 a.a) and having a molecular mass of 14.9kDa. GDF15 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Product Categories/Family for GDF15 recombinant protein	Cytokines and Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	170784848
NCBI GeneID	23886
NCBI Accession #	NP_035949.2
NCBI GenBank Nucleotide #	NM_011819.2
UniProt Accession #	Q9Z0J7 ; Q6NX63

NCBI Official Full Name	growth/differentiation factor 15
NCBI Official Synonym Full Names	growth differentiation factor 15
NCBI Official Symbol	Gdf15
NCBI Official Synonym Symbols	SBF; MIC-1; NAG-1
NCBI Protein Information	growth/differentiation factor 15
UniProt Protein Name	Growth/differentiation factor 15
UniProt Gene Name	Gdf15
UniProt Synonym Gene Names	Sbf; GDF-15
UniProt Entry Name	GDF15_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/gdf15-recombinant-protein-e-coli/38021>