Datasheet for ABIN6699886

GDF15 Protein

1 Image

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Overview

Quantity:	5 µg
Target:	GDF15
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Human Growth and Differentiation Factor-15 (D variant) Recombinant Protein
Purification:	Growth and Differentiation Factor-15 (D variant) purity was determined to be greater than 95% as determined by analysis by HpLC, UV-Spectroscopy at 280nm and by reducing and non-reducing SDS-pAGE.
Purity:	95,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity is determined by the inhibition of DU-145 cells and is typically 1-2 µg/mL.

Target Details

Target:	GDF15
Alternative Name:	GDF15 (GDF15 Products)
Background:	Synonyms: Macrophage inhibitory cytokine 1 (MIC-1), NSAID-activated gene 1 protein (NAG-1), NSAID-regulated gene 1 protein (NRG-1), Placental TGFβ, Placental bone morphogenetic

Target Details

	protein, Prostate differentiation factor Background: Growth and Differentiation Factor 15 (GDF-15) is a TGFβ family member, made by the placenta and heart tissues, that has a role in regulating inflammatory and apoptotic pathways. GDF-15 has become an immerging 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 is a non-glycosylated, disulfide linked homodimer, containing two identical 113 amino acid chains, with a total molecular weight of 24.5 kDa. There is a His to an Asp substitution at position 7.
UniProt:	Q99988
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Other: User Optimized Application_Note: Growth and Differentiation Factor-15 Recombinant Protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-Growth and Differentiation Factor-15 in immunological assays.
Restrictions:	For Research Use only

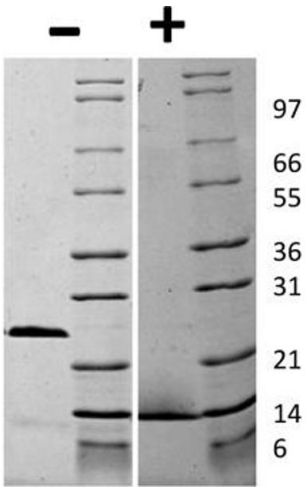
Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 5 µL (5-50 µL)
Buffer:	Buffer: 0.1 % Trifluoroacetic acid Stabilizer: None
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.

Handling

Expiry Date:	6 months

Images



SDS-PAGE

Image 1. SDS-PAGE of Human Growth and Differentiation Factor-15 (D variant) Recombinant Protein SDS-PAGE of Human Growth and Differentiation Factor-15 (D variant) Recombinant Protein. Lane 1: 1 µg Human GDF-15 D Variant in non-reducing conditions . Lane 2: Molecular weight marker. Lane 3: 1 µg Human GDF-15 D Variant in reducing conditions (+). Lane 4: Molecular weight marker. Human GDF-15 D Variant is predicted to be a homodimer with a predicted MW of 24.5 kDa.