

Datasheet for ABIN7597360

GDF15 Protein (AA 1-303) (DYKDDDDK Tag)



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Overview

Quantity:	10 µg
Target:	GDF15
Protein Characteristics:	AA 1-303
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GDF15 protein is labelled with DYKDDDDK Tag.

Product Details

Purpose:	Recombinant mouse GDF15 Protein with C-terminal 3xFlag tag
Sequence:	Mouse GDF15(Met1-Ala303) 3xFlag tag
Purity:	The purity of the protein is greater than 90 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	GDF15
Alternative Name:	GDF15 (GDF15 Products)
Background:	<p>SBF, MIC-1, NAG-1</p> <p>This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression.</p>

Target Details

The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. The protein is expressed in a broad range of cell types, acts as a pleiotropic cytokine and is involved in the stress response program of cells after cellular injury. Increased protein levels are associated with disease states such as tissue hypoxia, inflammation, acute injury and oxidative stress. Mice lacking a functional copy of this gene exhibit progressive loss of motor neurons, and more rapid blood clot formation. [provided by RefSeq, Aug 2016]

Molecular Weight: predicted molecular mass of 36.2 kDa after removal of the signal peptide.

UniProt: [Q9Z0J7](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

Comment: The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months