Datasheet for ABIN935652

GDF15 Protein

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Overview

Quantity:	20 µg
Target:	GDF15
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	ARNGDHCPLG PGRCCRLHTV RASLEDLGWA DWVLSPREVQ VTMCIGACPS QFRAANMHAQ IKTSLHRLKP DTVPAPCCVP ASYNPMVLIQ KTDTGVSLQT YDDLLAKDCH CI
Characteristics:	Purified recombinant Human GDF15 protein Expression System: Cell culture Bioactivity: Determined by a cell inhibition assay using DU-145 cells. The expected ED50 for this effect is 1.0-2.0 µg/mL.
Purity:	> 98 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	GDF15
Alternative Name:	GDF15 (GDF15 Products)
Background:	GDF-15 belongs to the TGF beta cytokine family whose members play an important role during

Target Details

	prenatal development and postnatal growth, remodeling and maintenance of a variety of tissues and organs. GDF-15 is expressed predominantly in placenta and to a much lesser extent in various other tissues. The presence of GDF-15 in amniotic fluid and its elevated levels in the sera of pregnant women suggest a role for GDF-15 in gestation and embryonic development. GDF-15 generally exerts tumor suppressive activities and is one of the predominant factors produced and secreted in response to activation of the p53 pathway. Interestingly, the serum level of GDF-15 is positively correlated with neoplastic progression of several tumor types, including certain colorectal, pancreatic, and prostate cancers. Alternative Names: GDF 15, GDF 15 protein, GDF15, GDF-15 protein, GDF-15, GDF-15 protein, Prostate differentiation factor protein, MIC-1 protein, Placental TGFbeta protein
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in water to a concentration of 0.1 - 1.0 mg/mL.
Buffer:	Lyophilized from 10 mM Sodium Citrate, pH 3.0.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.