

Datasheet for ABIN935381 **GDF11 Protein**



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Overview

Quantity:	20 µg
Target:	GDF11
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	NLGLDCDEHS SESRCCRYPL TVDFEAFGWD WIIAPKRYKA NYCSGQCEYM FMQKYPHTHL VQQANPRGSA GPCCTPTKMS PINMLYFNDK QQIYGKIPG MVDRCGCS
Characteristics:	Purified recombinant Human GDF11 protein Expression System: E.coli Bioactivity: The ED50 was determined by its ability to inhibit induced alkaline phosphatase production by ATDC-5 chondrogenic cells. The expected ED50 for this effect is 0.08-0.10 µg/mL.
Purity:	> 98 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	GDF11
Alternative Name:	GDF11 (GDF11 Products)

Target Details

Background: GDF-11 is a myostatin-homologous protein that acts as an inhibitor of nerve tissue growth. GDF-11 has been shown to suppress neurogenesis through a myostatin-like pathway, which involves arrest of progenitor cell-cycle in the G1 phase. Similarities between myostatin and GDF-11, which are 90 % identical in their amino acid sequence, suggests that the regulatory mechanisms responsible for maintaining proper tissue size during neural and muscular development might be the same.

Alternative Names: BMP-11 protein, GDF 11 protein, GDF-11 protein, GDF-11 protein, GDF-11, Growth/Differentiation Factor-11 protein, GDF11, GDF 11

Molecular Weight: 25 kDa

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. Keep pH below 5.0.

Buffer: Supplied lyophilized with no additives.

Preservative: Without preservative

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: RT/-20 °C
