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Datasheet for ABIN6239856 GDF9 Protein (AA 320-454) (His tag)

1 Image

1 Publication



Overview

Quantity:	50 µg
Target:	GDF9
Protein Characteristics:	AA 320-454
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This GDF9 protein is labelled with His tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 90 %
Biological Activity Comment:	GDF9 (Growth/differentiation factor 9) is an oocyte derived growth factora which belongs to the
	transforming growth factor-beta (TGF β) superfamily. GDF9 is required for ovarian
	folliculogenesis and promotes primordial follicle development. S100A8 has been identified as
	an interactor of GDF9 through two-hybrid assay, thus a binding ELISA assay was conducted to
	detect the interaction of recombinant human GDF9 and recombinant human S100A8. Briefly,
	GDF9 were diluted serially in PBS, with 0.01%BSA (pH 7.4). Duplicate samples of 100uL were
	then transferred to S100A8-coated microtiter wells and incubated for 2h at 37°C. Wells were
	washed with PBST and incubated for 1h with anti-GDF9 pAb, then aspirated and washed 3
	times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed
	3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C.

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Target Details

Target:	GDF9
Abstract:	GDF9 Products
Molecular Weight:	18kDa
UniProt:	060383
Application Details	
Application Notes:	Isoelectric Point: 7.1
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Publications	
Product cited in:	Li, Meng, Liu, Li, Zhang, Zhou, Yao, Dong, Liu, Zhou, Li, Tao, Wu, Shen, Liu: "Oocytes and
	hypoxanthine orchestrate the G2-M switch mechanism in ovarian granulosa cells." in:
	Development (Cambridge, England), Vol. 147, Issue 13, (2020) (PubMed).



Image 1.

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