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Datasheet for ABIN7504483

NOG Protein (AA 28-232) (His-DYKDDDDK Tag)

Overview

Quantity:	100 µg
Target:	NOG
Protein Characteristics:	AA 28-232
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NOG protein is labelled with His-DYKDDDDK Tag.

Product Details

Purpose:	Mouse Noggin Protein
Sequence:	Gln28-Cys232
Characteristics:	Recombinant Mouse Noggin Protein is expressed from HEK293 with His tag and Flag tag at the N-Terminus. It contains Gln28-Cys232.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 90 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	NOG
Alternative Name:	Noggin (NOG Products)

Target Details

Background:	Noggin is an antagonist of bone morphogenetic proteins (BMP), being indispensable for certain developmental events. Noggin expression positively correlated with EGFR expression in both GC cell line models and The Cancer Genome Atlas human GC cohort. Targeting EGFR and its downstream pathways diminished cell proliferation which was promoted by Noggin. Noggin promotes the proliferation of GC cells by upregulating EGFR and enhancing a vicious circle formed by β -catenin, EGFR, ERK and Akt.
Molecular Weight:	25.16 kDa. Due to glycosylation, the protein migrates to 28-38 kDa based on Tris-Bis PAGE result.
UniProt:	P97466
Pathways:	Stem Cell Maintenance , Tube Formation

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m filtered solution in PBS, 100 mM L-arginine (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 $^{\circ}$ C, -80 $^{\circ}$ C
Storage Comment:	-20 to -80 $^{\circ}$ C for 12 months as supplied from date of receipt., -80 $^{\circ}$ C for 3-6 months after reconstitution., 2-8 $^{\circ}$ C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months