Datasheet for ABIN7547939

Geminin Protein (AA 1-209) (His tag)

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Overview

Quantity:	1 mg
Target:	Geminin (GMNN)
Protein Characteristics:	AA 1-209
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Geminin protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat GMNN Protein expressed in mammalien cells.
Sequence:	MNPSMKQKQE EIKENIKNSS VPRRTLKMIQ PSASGSLVGR ENELSAGLSK RKHRNDHLTS TTSSPGVIVP ESSENKNLGG VTQESFDLMI KENPSSQYWK EVAEKRRKAL YEALKENEKL HKEIEQKDNE IARLKKENKE LAEVAEHVQY MAELIERLNG EPLDNFESLD NQEFDSEEET VEDSLVEDSE IGTCAEGTVS SSTDAKPCI **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and

Product Details

	transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	Geminin (GMNN)
Alternative Name:	GMNN (GMNN Products)
Background:	Geminin,FUNCTION: Inhibits DNA replication by preventing the incorporation of MCM complex into pre-replication complex (pre-RC) (PubMed:9635433, PubMed:14993212, PubMed:20129055, PubMed:24064211). It is degraded during the mitotic phase of the cell cycle (PubMed:9635433, PubMed:14993212, PubMed:24064211). Its destruction at the metaphase-anaphase transition permits replication in the succeeding cell cycle (PubMed:9635433, PubMed:14993212, PubMed:24064211). Inhibits histone acetyltransferase activity of KAT7/HBO1 in a CDT1-dependent manner, inhibiting histone H4 acetylation and DNA replication licensing (PubMed:20129055). Inhibits the transcriptional activity of a subset of Hox proteins, enrolling them in cell proliferative control (PubMed:22615398). {ECO:0000269|PubMed:14993212, ECO:0000269|PubMed:20129055, ECO:0000269|PubMed:22615398, ECO:0000269|PubMed:24064211, ECO:0000269|PubMed:9635433}.
Molecular Weight:	23.6 kDa
UniProt:	O75496
Pathways:	EGFR Signaling Pathway, DNA Replication

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

