

Datasheet for ABIN7564395
GLDN Protein (AA 1-549) (His tag)



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Overview

Quantity:	1 mg
Target:	GLDN
Protein Characteristics:	AA 1-549
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLDN protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Gldn Protein expressed in mammalien cells.
Sequence:	MTRAAERGQG ATGWGLRGAL VAIALLSALN AAGTVFVLCQ WRGLSAALRA LEAQRGREQR EDSALRAFLA ELSRAPGRVP EPSQDPMSAA RNKRSHNGEP ASHIRAESQD MMMMMTYSMV PIRVMIDLCN STQGICLTGP PGPPGPPGAG GLPGHNGSDG QPGLQGPKGE KGAIGKRGKM GLPGATGNPG EKGEKGDAGE LGLPGNEGPP GQKGDKGDKG DVSNDVLLTG AKGDQGPPGP PGPPGPPGPP GSRRSKGPRP PNVFNSQCPG ETCVIPNDDT LVGRADEKAN ERHSPQTESM ITSIGNPAQV LKVRETFGTW MRESANKSDD RIWVTEHFSG IMVKEFKDLP ALLNSSFTLL HLPHYFHGCG HAVYNNSLYY HKGGSNTIVR FEFKETPQT LKLENALYFD RKYLFANSKT YFNIAVDEKG IWIIYASSVD GSSILVAQLD ERTFSVTQHI NTTYPKSKAG NAFIARGILY VTDTKDTRVT FAFDLLGGKQ INANFDFRMS QSVLAML SYN MRDQHLYSWE DGHLMMLYPVQ FLSAASSQR 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

Product Details

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 mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and 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:

GLDN

Alternative Name:

Gldn ([GLDN Products](#))

Background:

Gliomedin (Cancer-related gene liver 2 protein) (CRG-L2) [Cleaved into: Gliomedin shedded ectodomain],FUNCTION: Ligand for NRCAM and NFASC/neurofascin that plays a role in the formation and maintenance of the nodes of Ranvier on myelinated axons. Mediates interaction between Schwann cell microvilli and axons via its interactions with NRCAM and NFASC (PubMed:20188654). Nodes of Ranvier contain clustered sodium channels that are crucial for the saltatory propagation of action potentials along myelinated axons. During development, nodes of Ranvier are formed by the fusion of two heminodes. Required for normal clustering of sodium channels at heminodes, not required for the formation of mature nodes with normal sodium channel clusters (PubMed:20188654). Required, together with NRCAM, for maintaining NFASC and sodium channel clusters at mature nodes of Ranvier (PubMed:24719088). {ECO:0000250|UniProtKB:Q80WL1, ECO:0000269|PubMed:20188654, ECO:0000269|PubMed:24719088}.

Target Details

Molecular Weight: 59.1 kDa

UniProt: [Q8BMF8](#)

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