

Product datasheet for **RC214259**

Gliomedin (GLDN) (NM_181789) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gliomedin (GLDN) (NM_181789) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gliomedin
Synonyms:	CLOM; COLM; CRG-L2; CRGL2; LCCS11; UNC-112; UNC-122
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

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>RC214259 representing NM_181789
Red=Cloning site Blue=ORF Green=Tags(s)
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TTTTGTAATACGACTCACATATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCGAGGCGCTGAGGGAGGAGCGGTGGGGACGCGGTTGGGGCTGCGTGGCGCCCTGGCGGCCGTG
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ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214259 representing NM_181789
Red=Cloning site Green=Tags(s)

[illegible]

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8013_e07.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_181789

ORF Size: 1653 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

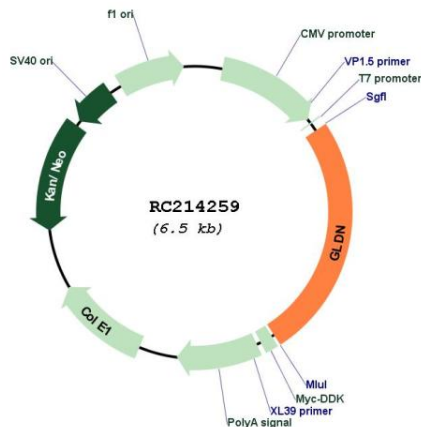
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

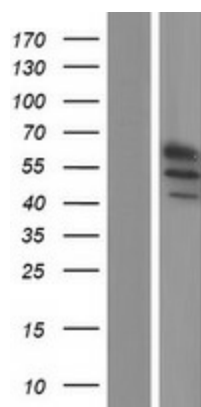
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_181789.4</u>
RefSeq Size:	5084 bp
RefSeq ORF:	1656 bp
Locus ID:	342035
UniProt ID:	<u>Q6ZMI3</u>
Cytogenetics:	15q21.2
Protein Families:	Transmembrane
MW:	58.8 kDa
Gene Summary:	This gene encodes a protein that contains olfactomedin-like and collagen-like domains. The encoded protein, which exists in both transmembrane and secreted forms, promotes formation of the nodes of Ranvier in the peripheral nervous system. Mutations in this gene cause a form of lethal congenital contracture syndrome in human patients. Autoantibodies to the encoded protein have been identified in sera from patients with multifocal motor neuropathy. [provided by RefSeq, May 2017]

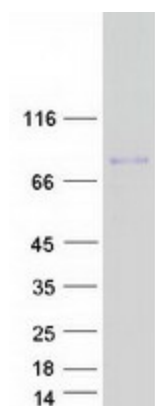
Product images:



Circular map for RC214259



Western blot validation of overexpression lysate (Cat# [LY405620]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214259 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified GLDN protein (Cat# [TP314259]). The protein was produced from HEK293T cells transfected with GLDN cDNA clone (Cat# RC214259) using MegaTran 2.0 (Cat# [TT210002]).