

Product datasheet for **SC317941**

Gliomedin (GLDN) (NM_181789) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gliomedin (GLDN) (NM_181789) Human Untagged Clone
Tag:	Tag Free
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)



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Fully Sequenced ORF: >SC317941 representing NM_181789.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCCGAGGCGCTGAGGGAGGCCGTGGGGACGCGGGTTGGGGCCTGCGTGGCGCCTGGCGGCCGTG
GCGCTGCTCTCGGCGCTCAACGCTGCGGGCACGGTGTTCGCGCTGTGCCAGTGGCGCGGGCTGAGCTCG
GCGCTGCGGGCTTTGGAGGCGCAGCGGGCCGGGAGCAGCGCAGGACAGTGCCCTGCGCTCCTTCCTG
GCCGAGTTGAGCCGCGCGCCGCGGGGCGTCCGACCAACCCCAAGACCCGGCCAGCTCAGCTCGCAAC
AAGCGCAGCCACAGCGCGAGCCGCGCGCATATCCGCGCCGAGAGCCATGACATGCTGATGATGATG
ACCTACTCCATGGTGCCGATCCGAGTGATGGTGGACCTGTGCAACAGCACCAAGGCATCTGCCTCACA
GGACCTTCTGGACCACAGGACCTCCGGGAGCCGGCGGGTTGCCAGGACACAACGGATTGGATGGACAG
CCTGGTCTCAGGGCCAAAAGGAGAAAAAGGAGCAATGGAAAAAGAGAAAAATGGGGATACCTGGA
GCTGCAGGAAATCCAGGGAAAGGGGAGAAAGGGAGACCATGGTGAACCTGGGCTGCAGGGAAATGAG
GGCCACCAAGGCGAGAAGGGAGAAAGGGTGACAAAGGAGATGTGTCAACGACGTGCTCCTGGCAGGT
GCCAAAGGTGACCAAGGCCACCCGGTCCACCTGGGCCCCAGGCCCTCCAGGTCTCCAGGGCCCCCT
GGAAGCAGAAGAGCCAAAGGCCCTCGGCAGCCAAGCATGTTCAACGGCCAGTGCCAGGTGAGACTTGT
GCCATACCAATGATGATACCTTGGTTGGAAAAGCTGATGAGAAAGCCAGTGAACACCATTCCCCACAA
GCAGAATCCATGATCACTTCCATTGAAACCCAGTGCAAGTACTGAAAGTGACAGAGACATTTGGGACT
TGGATAAGAGAGTCTGCTAACAAGAGTGATGACCGGATTTGGGTGACAGAGCATTTTTCAGGCATCATG
GTAAAGGAATTAAGGATCAGCCCTCACTTCTGAATGGCAGTTACACGTTTATCCACCTTCCATACTAT
TTCCATGGCTGTGGGCACGTTGTTTACAACAACCTCTCTACTACCACAAAGGGGTTCTAATACCTTA
GTGAGATTTGAATTTGGCCAGGAAACATCCCAACTCTGAAGCTTGAAAAATGCCTTGATTTTGTATCGA
AAATACCTTTTTCAAAATTCCAAAACCTTACTTCAATCTAGCTGTAGATGAAAAGGGCCTTTGGATTATC
TATGCGTCAAGTGTTGGACGGCTCGAGCATTCTTGTAGCACAACCTGGATGAGAGGACATTCTCAGTGGTG
CAACACGTCAATACCACGTACCTTAAATCCAAGGCTGGCAACGCCTTCATTGCCCGAGGAATCCTCTAT
GTCACAGACACCAAGATATGAGGGTCACATTTGCCTTTGATTTGTTAGGAGGAAACAGATCAATGCA
AACTTTGATTTAAGAATTCCTAGTCTGTTCTTGCCATGTTAGCATACAACATGAGAGATCAGCATTTA
TATTCATGGGAAGATGGCCATTTAATGCTTTATCTGTGAGTTTTTGTCAACTACCTTAAATCAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI
ACCN: NM_181789
Insert Size: 1656 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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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.
RefSeq:	NM_181789.2
RefSeq Size:	5084 bp
RefSeq ORF:	1656 bp
Locus ID:	342035
UniProt ID:	Q6ZMI3
Cytogenetics:	15q21.2
Protein Families:	Transmembrane
MW:	59 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1), which undergoes proteolytic processing to generate a secreted form of the protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>