

Product datasheet for **RG205502**

CLDND1 (NM_001040181) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLDND1 (NM_001040181) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLDND1
Synonyms:	C3orf4; GENX-3745; Z38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205502 representing NM_001040181 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATAACCGTTTTGCTACAGCATTTGTAATTGCTTGTGTGCTGAGCCTCATTCCACCATCTACATGG
CAGCCTCCATTGGCACAGACTTCTGGTATGAATATCGAAGTCCAGTTCAGAAAAATCCAGTGATTTGAA
TAAAAGCATCTGGGATGAATTCATTAGTGATGAGGCAGATGAAAAGACTTATAATGATGCACTTTTTCGA
TACAATGGCACAGTGGGATTGTGGAGACGGTGTATCACCATACCCAAAAACATGCATTGGTATAGCCAC
CAGAAAGGACAGAGTCATTTGATGTGGTCACAAAATGTGTGAGTTTCACACTAACTGAGCAGTTCATGGA
GAAATTTGTTGATCCCGAAACCACAATAGCGGGATTGATCTCCTTAGGACCTATCTTTGGCGTTGCCAG
TTCTTTTACCTTTTGTGAGTTTAGGTTTGTGCTTTGGGGCTTTGATCGGACTTTGTGCTTGCATTT
GCCGAAGCTTATATCCACCATTTGCCACGGCATTCTCCATCTCCTTGCAGGTCTGTGTACTGGGCTC
AGTAAGTTGTTATGTTGCTGGAATTGAACTACTCCACCAGAACTAGAGCTCCCTGACAAATGATCCGGT
GAATTTGGATGGTCTTCTGCCTGGCTTGTGTCTCTGCTCCCTTACAGTTCATGGCTTCTGCTCTTTCA
TCTGGGCTGCTCACCAACCGGAAAGAGTACACCTTAATGAAGGCATATCGTGTGGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205502 representing NM_001040181
Red=Cloning site Green=Tags(s)

MDNRFATAFVIACVLSLISTIYMAASIGTDFWYEYRSPVQENSSDLNKSIEWDEFISDEADEKTYNDALFR
 YNGTVGLWRRICITIPKNMHWSPPERTESFDVVTCKVSTL TEQFMEKFVDPGNHNSGIDLLR TYLWRCQ
 FLLPFVSLGLMCFGALIGLCACICRSLYPTIATGILHLLAGLCTLGSVSCYVAGIELLHQKLELPDNVSG
 EFGWSFCLACVSAPLQFMASALFIWAAHTNRKEYTLMKAYRVA

TRTRPLE - GFP Tag - V

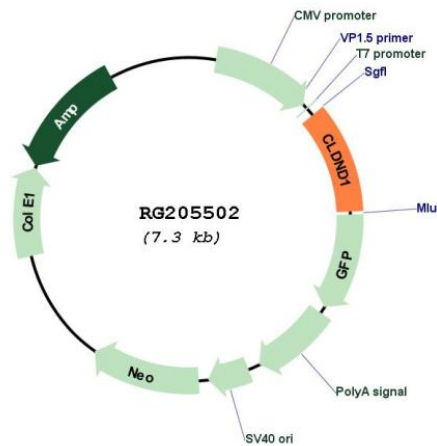
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001040181

ORF Size: 759 bp

OTI Disclaimer:	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:	<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_001040181.1 , NP_001035271.1
RefSeq Size:	2193 bp
RefSeq ORF:	762 bp
Locus ID:	56650
UniProt ID:	Q9NY35
Cytogenetics:	3q11.2
Protein Families:	Transmembrane