

Product datasheet for **RG223606**

CLDND1 (NM_001040182) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CLDND1
Synonyms:	C3orf4; GENX-3745; Z38
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG223606 representing NM_001040182
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCGGTGATAGACTAGAGAACAAAGACCTCTGTCTCCGTAGCATCCTGGAGCAGTCTGAATGCCAGAA
TGGATAACCGTTTTGCTACAGCATTGTGAATTGCTTGTGTGCTTAGCCTCATTTCACCACCTACATGGC
AGCCTCCATTGGCACAGACTTCTGGTATGAATATCGAAGTCCAGTTCAAGAAAATTCAGTGATTGAAT
AAAAGCATCTGGGATGAATTCATTAGTGATGAGGCAGATGAAAAGACTTATAATGATGCACCTTTTCGAT
ACAATGGCACAGTGGGATTGTGGAGACGGTGTATCACCATACCCAAAAACATGCATTGGTATAGCCCAACC
AGAAAGGACAGAGTCATTTGATGTGGTCACAAAATGTGTGAGTTTCACACTAACTGAGCAGTTTCATGGAG
AAATTTGTTGATCCCGAAACCACAATAGCGGGATTGATCTCCTTAGGACCTATCTTTGGCGTTGCCAGT
TCCTTTTACCTTTTGTGAGTTTAGGTTTGTGTCTTTGGGCTTTGATCGGACTTTGTGCTTGCAATTTG
CCGAAGCTTATATCCACCATTTGCCACGGGCATTCTCCATCTCCTTGACGGTCTGTGTACACTGGGCTCA
GTAAGTTGTTATGTTGCTGGAATTGAACTACTCCACCAGAACTAGAGCTCCCTGACAATGTATCCGGTG
AATTTGGATGGTCCTTCTGCCTGGCTTGTGTCTCTGCTCCCTTACAGTTTCATGGCTTCTGCTCTTTCAT
CTGGGCTGCTCACCAACCGGAAAGAGTACACCTAATGAAGGCATATCGTGTGGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



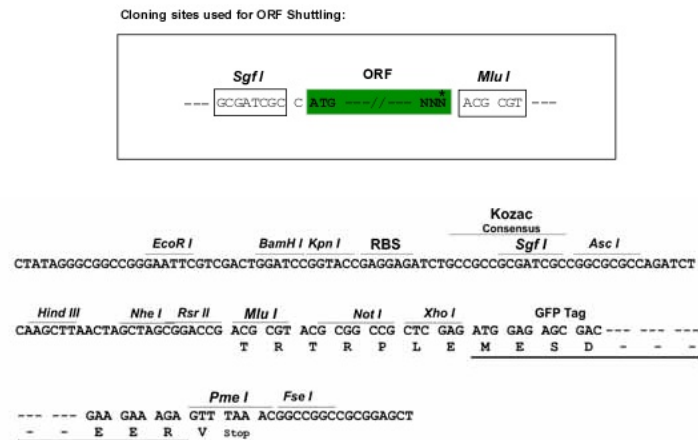
Protein Sequence: >RG223606 representing NM_001040182
 Red=Cloning site Green=Tags(s)

MGGDRLENKTSVSVASWSSLNARMNRFATAFVIACVLSLISTIYMAASIGTDFWYEURSPVQENSSDLN
 KSIWDEFISDEADEKTYNDALFRYNGTVGLWRRCTIPKNMHWSPPERTESFDVVTCKVSFTLTEQFME
 KFVDPGNHNSGIDLLRTRYLWRCQFLLPFVSLGLMCFGALIGLCACICRSLYPTIATGILHLLAGLCTLGS
 VSCYVAGIELLHQKLELPDVSGEFGWSFCLACVSAPLQFMASALFIWAAHTNRKEYTLMKAYRVA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001040182

ORF Size: 828 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:

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: [NM_001040182.1](#), [NP_001035272.1](#)

RefSeq Size: 2237 bp

RefSeq ORF: 831 bp

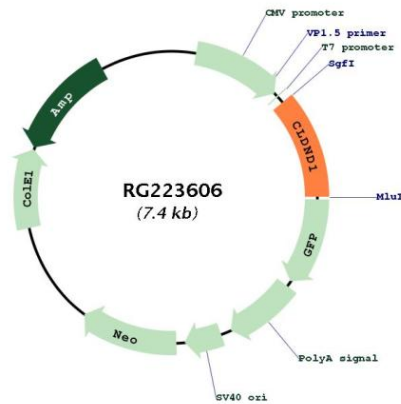
Locus ID: 56650

UniProt ID: [Q9NY35](#)

Cytogenetics: 3q11.2

Protein Families: Transmembrane

Product images:



Circular map for RG223606