

Product datasheet for **RG231111**

TLCD5 (NM_001198670) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TLCD5 (NM_001198670) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TLCD5
Synonyms: TMEM136
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231111 representing NM_001198670
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCAGTGTGTTTTCTTAGGGTGCATCCTTTGTTTTCTGGTTTTGGTCTTTTCATCACAGGATGG
CATTAGCTCTGTGTCTGCAGGTGCTGTGCAGCCTGTGTGGCTGGCTCTCGCTCTATATTTCTTTCTGCCA
CCTGAATAAGCACCGAAGCTATGAGTGGAGCTGCCGCTGGTACCTTCACCCATGGAGTCTCTCTATA
GGCCTCTCGCTTATATTGGCTTCATTGATGGCCATGGCCTTTTACCCACCCAGGCTCACCAATACAC
CTCTCCAAGTTCATGTCCTGTGTCTCACCTTGGGCTACTTCATCTCGACTTGGGCTGGTGCCTACTT
TCAGTCTGAGGGTGCCTTGATGCTGGCTCATCACACATTGAGTATCTTGGGCATTATCATGGCCCTGTG
CTTGGGGAGTCTGGCACAGAGGTCAATGCAATCCTCTTTGGAAGTGGAGCTTACCAACCCCTTGCTACAGA
TGCGCTGGTTTTCTCCGGAAACAGGGCACTATCACAGTTTCACTGGAGATGTAGTGGACTTCTCTTTGT
GGCTCTGTTACAGGAGTGAGGATTGGTGTGGGAGCTTGCTCTTTTCTGTGAAATGGTCTCCCCACG
CCTAAGTGGTTTGTGAAGGCTGGGGAGTAGCGATGTATGCTGTGTCTTGGTGTTCATGTTTAGCATCT
GGCGCTTTCATGGAGGAAGAGCATCAAGAAGTACCATGCTTGGAGAAGCAGGCGGAGTGAGGAACGGCA
GCTGAAACACAACGGACATCTCAAATAACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG231111 representing NM_001198670
Red=Cloning site Green=Tags(s)

MTQCCFLRVHPLFFWFWSFHHRMALALCLQVLCSLCGWLSLYISFCHLNKHSYEWSCRLVTFTHGVL
 SILGLSAYIGFIDGPWFTHPGSPNTPLQVHVLCLTLGYFIFDLGWCYVFQSEGALMLAHTLSILGI
 IMAV LGESGTEVNAVLFGESELTNPLLQMRWFLRETGHYHSFTGDVDFLVALFTGVRIGVGACLLFC
 EMVSP PKWFKAGGVAMYAVSWCFMFSIWRFAWRKSIKKYHAWRSRRSEERQLKHNGHLKIH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001198670

ORF Size: 801 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.

RefSeq: [NM_001198670.2](#)

RefSeq Size: 4462 bp

RefSeq ORF: 804 bp

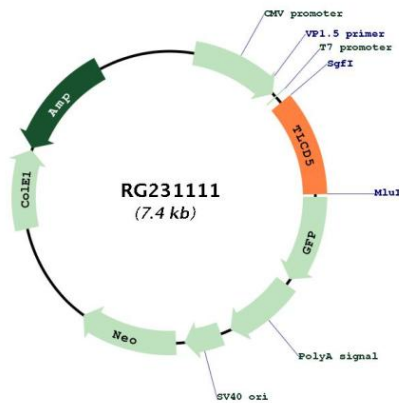
Locus ID: 219902

UniProt ID: [Q6ZRR5](#)

Cytogenetics: 11q23.3

Protein Families: Transmembrane

Product images:



Circular map for RG231111