

Product datasheet for **MG202909**

Clic3 (NM_027085) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Clic3 (NM_027085) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Clic3
Synonyms: 2300003G24Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202909 representing NM_027085
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAAACCACCAAGCTCCAGCTCTTTGTGAAGGCCAGTGAGGATGGCGAGAGCGTAGGACTGCC
CTTCCTGTCAGCGGCTTTCATGGTCCTACTCCTCAAGGGTGTGCCCTTCACACTCACCACAGTGGACAC
TCGAAGGGCATTGGATGTGCTGAAGGACTTCGCACCAGGCTCACAGCTGCCATCCTGCTGTACGATGGG
GATGTCAAGACAGACACTGCAGATCGAGGAGTTTCTGGAGGAGACGTTGGGGCCACCTGACTTCCTCA
GCCTGGCACCCAGGTACAGGGAGTCCAACACAGCGGGCAATGACATCTTCCACAAGTTCTCTGCCTTCAT
CAAGAACCAGTGCCTACACAGGACAATGCCCTGTATCAGCAGCTGCTCCGGGCCCTGACCAGGCTGGAC
AGCTACCTGCGTGACCACTGGACCACGAAGTGGCACAGGAGCCACATCTTCGTGAGTCCCACCGCCGCT
TTCTCGATGGTGACCAGTTCACGTTGGCTGACTGCAGTCTACTACCCAAGCTGCACATTGTGGATACCGT
GTGTGCACACTCCGCCAGCTGCCATCCCCGCGGAAGTGCCTGCGTTCGTGCTACTTGGACAGTGGC
TTGCAGAGAAGGAGTTCAAGTATACGTGTCCACACAGCGCAGAGATCCTGGCTGCCTACCAGCCTGCTG
TGACCCCCGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202909 representing NM_027085
Red=Cloning site Green=Tags(s)

MAETTKLQLFVKASEDGESVGHCPSCQRLFMVLLLKGVPTLTTVVTRRALDVLKDFAPGSQLPILLYDGG
 DVKTDTLQIEEFLEETLGPPDFPSLAPRYRESNTAGNDIFHKFSAFIKNPVPTQDNALYQQLLRALTRLD
 SYLRAPLDHELAQEPHLRESHRRLDGDQFTLADCSLLPKLHIIVDTVCAHFRQLPIPAELSCVRRYLD
 LQKKEFKYTCPHSAEILAAAYQPAVHPR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027085

ORF Size: 711 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_027085.3](#), [NP_081361.1](#)

RefSeq Size: 799 bp

RefSeq ORF: 714 bp

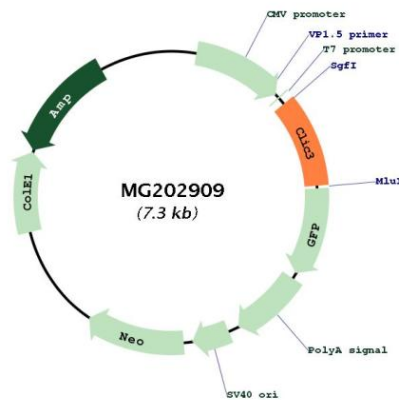
Locus ID: 69454

UniProt ID: [Q9D7P7](#)

Cytogenetics: 2 A3

Gene Summary: Can insert into membranes and form chloride ion channels. May participate in cellular growth control (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202909