

Product datasheet for **RG206709**

TMCO5A (NM_152453) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TMCO5A
Synonyms:	TMCO5
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206709 representing NM_152453
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAAATCTCAAGATTGGCTCAGTCAAAAAGAAACATTATCAGTTTGAACATGGACCTTGAAAGGGATA
CGCAGAGAATAGATGAAGCAAACAGAACTTCTCTCAAAATCCAAGAGAGGGAAGATAAGATTCAGAG
GCTGGAAAGTGAGATCATTAGACGCGGGGCCCTGGTGAAGATGAAGAGTGGGAGAAGGAGAACCGCACC
ACGATGGAAAGGGAAGAGCCTTGCAGGAGCTGGAGGAAGAAACAGCCAGACTTGAAAGGAAGAATAAGA
CGTTGGTCCACAGTATAACAGAACTTCAACAAAAGCTTACAAGGAAATCAGAAAGATAACCAATTGTGA
ACAAAGCAGTCCAGATGGAGCCCTAGAAGAGACAAAGGTTAAGTTACAACAGCTGGAAGCTTCCTATGCA
TGCCAAGAGAAGGAGCTGCTCAAGGTAATGAAGGAGTATGCATTTGTGACCCAGCTCTGTGAAGATCAAG
CCCTCTACATAAAGAAGTACCAGGAAACGTTGAAGAAAATAGAAGAAGAACTAGAGGCTCTGTTCCTTGA
GAGAGAAGTATCAAACTCGTGAGCATGAACCCCTGTGGAAAAGAGCATACCAGCCAAAATAATGAGGGT
ACTCCTACCCAAAAGACAGCAAGATTATTCAGTAAAAAGATTTTTGCTGTCTCTTTTTCATCACCTAT
TTTTTCATCAGACTGCTGAGCTACATGTTTTTCATGTAAGATTCATAATCCAGATCTCCTCGTCAATGT
ACTGCCCAAGGTACTGGCAGGAGCACCTGTGGAAGCTCAGATGCTTCTTCTTCCATCTCTCACACTT
GAGACAGAGGACATGTTACCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



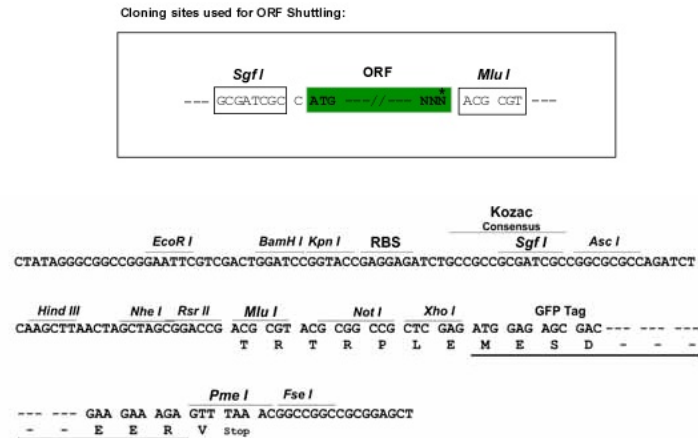
Protein Sequence: >RG206709 representing NM_152453
 Red=Cloning site Green=Tags(s)

MEISRLAQSKRNIISLNDLERDTQRIDEANQKLLKIQEREDKIQRLSEIIQTRGLVEDEEWKENRT
 TMERERALQELLEEETARLERKNKTLVHSITELQQKLTRKSQKITNCEQSSPDGALEETKVKLQQLEASYA
 CQEKELLKVMKEYAFVTQLCEDQALYIKKYQETLKKIEELEALFLEREVSKLVSMNPVEKEHTSQNNEG
 TPTQKTARLFSSKIFCCLFFITLFFIRLLSYMFFHVRFINPDLLVNVLPKVLGRSTLWKLRCFFFPSTL
 ETEDMLPH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152453

ORF Size: 864 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_152453.2](#) [NP_689666.2](#)

RefSeq Size: 1186 bp

RefSeq ORF: 867 bp

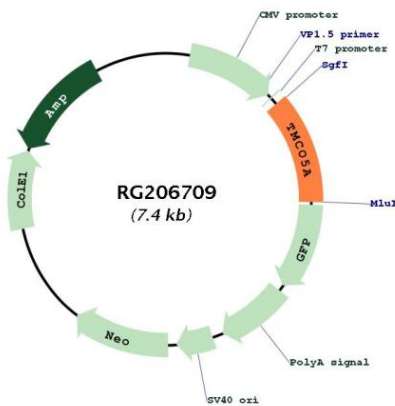
Locus ID: 145942

UniProt ID: [Q8N6Q1](#)

Cytogenetics: 15q14

Protein Families: Transmembrane

Product images:



Circular map for RG206709