

Product datasheet for **RG234613**

TMCC2 (NM_001242925) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMCC2 (NM_001242925) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMCC2
Synonyms:	HUCEP11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234613 representing NM_001242925
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTGGCCACGGTCTGAAGCACCTGTTCCACAGCCCGTCGGTCTCGGAAAGGGAGCACCAGACGT
 CTCAGGATTCAGCAGCATCAGCAGCAGCAGGGTATGTCCGACCATGACTCCCCAGATGAGAAGGAGCG
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 AACCGCGTGTGCAGCAGATCCGCTCCCGGCCCTCCATCAAGCGGGGCGCCAGCCTGCACAGCAGCAGTG
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 CCTCGTCTGTTCTCTCTGGAAGCACTGGGACTCCCTCACCTACCTCCTGGAGCAGTGTTGCTGCC
 AGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234613 representing NM_001242925
 Red=Cloning site Green=Tags(s)

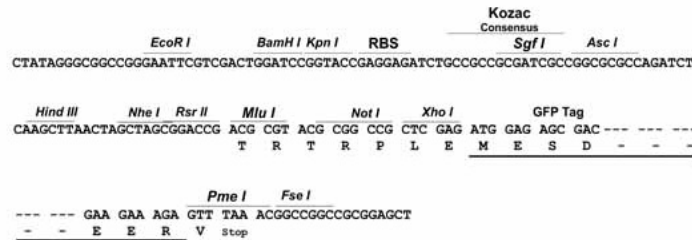
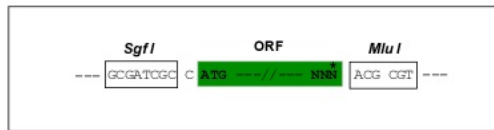
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 RRLKEIEQNGPSRQPKDVL RDMQQGLKDVGANVRAGISGFGGGVVEGVKGSLSGLSQATHAVVSKPREF
 ASLIRNKFSGADNIAHLKDPLEDPPEEAARALSGSATLVSSPKYGSDDCCSSASASSAGAGSNSGAGPG
 GALGSPKSNALYGAPGNLDALLEELREIKEGQSHLEDSMEDLKTQLQRDYTYMTQCLQEERYRYERLEE
 Q LNDLTELHQNEMTNLQELASMEEKVAYQSYERARDIQEAVESCLTRVTKLELQQQQQVQVQLEGVENAN
 ARALLGKFINVILALMAVLLVFVSTIANFITPLMKTRLRITSTLLVLVFLWKHWDSTYLLEHVLLP
 S

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001242925

ORF Size: 1893 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_001242925.1](#), [NP_001229854.1](#)

RefSeq Size: 3357 bp

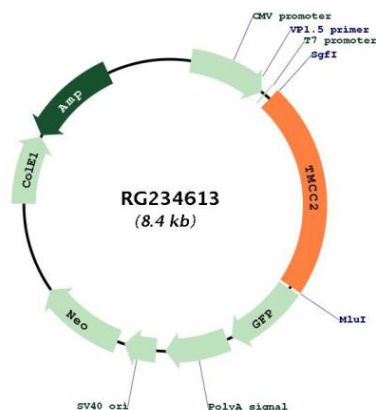
RefSeq ORF: 1896 bp

Locus ID: 9911

UniProt ID: [O75069](#)

Cytogenetics:	1q32.1
Protein Families:	Transmembrane
Gene Summary:	May be involved in the regulation of the proteolytic processing of the amyloid precursor protein (APP) possibly also implicating APOE.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234613