

Product datasheet for **SC304177**

TMCC2 (NM_014858) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMCC2 (NM_014858) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMCC2
Synonyms:	HUCEP11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC304177 representing NM_014858.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAAGAGGTGCAGATCGGACGAGCTGCAGCAACAACAGGGCGAGGAGGATGGAGCTGGGCTGGAAGAT
GCCGCTTCCCACCTGCCGGGCGCGGACCTCCGGCTGGGAGACCACGGGTGCTAACTCTGCTGGCGGG
CCAACTTCAGACGCCGGCGCTGCCGCGGCCCAACCCAGGTCCCGAAGCAAGCCTCCTGATTTAAAG
AAAATCCAGCAGCTGTCAGAGGGCTCCATGTTTGCCACGGTCTGAAGCACCTGTTCCACAGCCGCGT
CGGTCTCGGGAAGGGAGCACCAGCTCTCAGGATTCCAGCAGCATCAGCAGCAGCAGGGTATGTCC
GACCATGACTCCCAGATGAGAAGGAGCGCTCTCCGGAGATGCATCGCTCTCCTACGCCATGTCCCTG
CACGACCTGCCCGCCCGCCACCGCCTTCAACCCGCTGCTGCAGCAGATCCGCTCCCGGCCCTCCATC
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GCCGCCATCCTGCACCAGCAGCTGCCGCTCCCGCTTCTCTCCACCACCGACTGCTCTGCTGCTG
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GACCTGGTGGCCCTGAGCCTCCCGCGGCCATGGTGACACCGACGGCCCATCAGCCTGGACGTGCC
GATGGGGACCGGACCCCGAGCGACCAAGGCCGCCATTGACCACCTGCACCAGAAGATCCTGAAGATC
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AACCGGGACAAGCAGCAGGTGTACGCATCAAGCAAGTGTTCGAGAAGAAGAACCAGAAGTCAGCCAG
ACCATCGCCAGCTGCACAAGAAGCTGGAGCACTACCGCCGGCGCCTGAAGGAGATTGAGCAGAACGGG
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CGCGCAGGCATCAGCGGCTTTGGGGCGCGTGGTGAGGGCGTCAAGGGCAGCCTCTCTGGCCTCTCA
CAGGCCACCCACACCGCCGTGGTGCCAAGCCCCGGGAGTTTGCCAGCCTCATCCGCAACAAGTTTGGC
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CTGAGCGGAGTGCCACACTCGTCTCCAGCCCCAAGTATGGCAGCGATGATGAGTCTCAGCGCCAGC
GCCAGCTCAGCCGGGGCAGGCAGCAACTCTGGGCTGGGCTGGTGGGCGCTGGGAGCCCTAAGTCC
AATGCACTGTATGGTCTCCTGGAACCTGGATGCTCTGCTGGAAGAGCTACGGGAGATCAAGGAGGGA
CAGTCTCACCTGGAGGACTCCATGGAAGACCTGAAGACTCAGCTGCAGAGGAGTACACCTACATGACC
CAGTGCCTGCAGGAGGAGCGCTACAGGTACGAGCGGCTGGAGGAGCAGCTCAACGACCTGACTGAGCTT
CATCAGAACGAGATGACGAACCTGAAGCAGGAGCTGGCCAGCATGGAGGAGAAGGTGGCCTACAGTCC
TATGAGAGGGCAGGGACATCCAGGAGGCGTGGAGTCTGCCTGACCCGGGTACCAAGCTGGAGCTG
CAGCAGCAACAGCAGCAGGTGGTACAGCTGGAGGGCGTGGAGAATGCCAACGCGCGGGCGCTGCTGGG
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ATCAGCCCCCTCATGAAGACACGCTGCGCATCACGACACCACCTCCTGGTCTCTGCTCTGTTCTC
CTCTGGAAGCACTGGGACTCCCTCACCTACCTCCTGGAGCAGTGTTGCTGCCAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI
ACCN: NM_014858
Insert Size: 2130 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_014858.3</u>
RefSeq Size:	4021 bp
RefSeq ORF:	2130 bp
Locus ID:	9911
UniProt ID:	<u>O75069</u>
Cytogenetics:	1q32.1
Protein Families:	Transmembrane
MW:	77.4 kDa
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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).