

Product datasheet for **RC238499**

TMCC2 (NM_001297611) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMCC2 (NM_001297611) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMCC2
Synonyms:	HUCEP11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC238499 representing NM_001297611
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCAAGTTGTTTCAGCCCTTAATGAGCAGACACTCTGCATGTAGAGGCAGCCAGGCCACCTCTCAT
 GGGTCGATAAGGGAGACCTGGTGGCCCTGAGCCTCCCGCGGCCATGGTGACACCGACGCCCATCAG
 CCTGGACGTGCCCGATGGGGCACCGGACCCACAGCGGACCAAGGCCGCCATTGACCACCTGCACCAGAAG
 ATCCTGAAGATCACCGAGCAGATCAAGATTGAGCAGGAGGCTCGCGACGACAATGTGGCAGAGTATCTGA
 AACTGGCCAACAACGCGGACAAGCAGCAGGTGTCACGCATCAAGCAAGTGTTCGAGAAGAAGAACCAGAA
 GTCAGCCCAGACCATCGCCAGCTGCACAAGAAGCTGGAGCACTACCGCCGGCGCCTGAAGGAGATTGAG
 CAGAACGGGCCCTCGCGGACGCCAAGGACGTGCTGCGGGACATGCAGCAGGGGCTGAAGGACGTGGGCG
 CCAACGTGCGCGCAGGCATCAGCGGCTTTGGGGCGGCGTGGTGGAGGGCGTCAAGGGCAGCCTCTCTGG
 CCTCTCACAGGCCACCCACCGCCGTGGTGTCCAAGCCCGGGAGTTTCCAGCCTCATCCGCAACAAG
 TTTGGCAGTGCTGACAACATCGCCACCTGAAGGACCCCTGGAAGATGGGCCCCCTGAGGAGGCAGCCC
 GGGCACTGAGCGGCAGTGCCACACTCGTCTCCAGCCCCAAGTATGGCAGCGATGATGAGTGTCCAGCGC
 CAGCGCCAGCTCAGCCGGGGCAGGCAGCAACTCTGGGGCTGGGCTGGTGGGGCGCTGGGGAGCCCTAAG
 TCCAATGCACTGTATGGTGCTCTTGAAACCTGGATGCTCTGCTGGAAGAGCTACGGGAGATCAAGGAGG
 GACAGTCTCACCTGGAGGACTCCATGGAAGACCTGAAGACTCAGTGCAGAGGGACTACACCTACATGAC
 CCAGTGCTGCAGGAGGAGCGCTACAGGTACGAGCGGCTGGAGGAGCAGCTCAACGACCTGACTGAGCTT
 CATCAGAACGAGATGACGAACCTGAAGCAGGAGCTGGCCAGCATGGAGGAGAAGGTGGCCTACCAGTCTT
 ATGAGAGGGCACGGGACATCCAGGAGGCCGTGGAGTCTGCTGACCCGGGTACCAAGCTGGAGCTGCA
 GCAGCAACAGCAGCAGGTGGTACAGCTGGAGGGCGTGGAGAATGCCAACGCGCGGGCGCTGCTGGGCAAG
 TTCATCAACGTGATCCTGGCGCTCATGGCCGTGCTGCTGGTGTTCGTGTCCACCATCGCCAACTTCATCA
 CGCCCCTCATGAAGACAGCCTGCGCATCACCAGCACCACCTCTGGTCTCGTCTGTCTCTCTCTG
 GAAGCACTGGGACTCCCTACCTACCTCTGGAGCAGTGTTGCTGCCCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238499 representing NM_001297611
 Red=Cloning site Green=Tags(s)

MNQVVQPLMSRHSACRGSQAHLWVDKGDVALSLPAGHGD TDGPISLDVDPGAPDPQRTKAAIDHLHQK
 ILKITEIQIKIEQEARDDNVAEYKLANNADKQQVSRIKQVFEKKNQKSAQTIAQLHKLEHYRRRLKEIE
 QNGPSRQPKDVL RDMQQGLKDVGANVRAGISGFGGVVEGVKGSLSGLSQATHTAVVSKPREFASLIRNK
 FGSADNIAHLKDPLEDGPPEEAARALSGSATLVSSPKYGSDDCCSSASASSAGAGNSGAGPGGALGSPK
 SNALYGAPGNLDALLEELREIKEGQSHLEDSMEDLKTQLQRDYTYMTQCLQEERYRYERLEEQLNDLTEL
 HQNEMTNLKQELASMEEKVAYQSYERARDIQEAVESCLTRVTKLELQQQQQQVVQLEGVENANARALLGK
 FINVILALMAVLLVVFSTIANFITPLMKTRLRITSTLLVLVFLWKHWDSLTYLLEHVLLPS

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001297611

ORF Size: 1452 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_001297611.1](#), [NP_001284540.1](#)

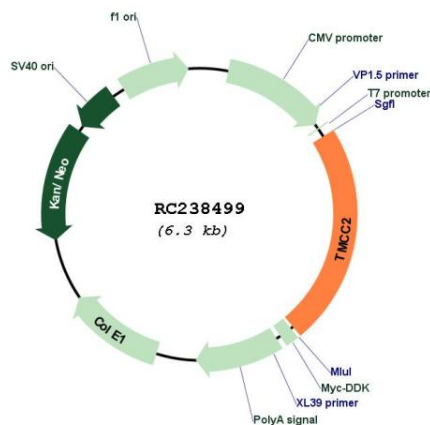
RefSeq Size: 2815 bp

RefSeq ORF: 1455 bp

Locus ID: 9911

UniProt ID:	<u>O75069</u>
Cytogenetics:	1q32.1
Protein Families:	Transmembrane
MW:	53.8 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]

Product images:



Circular map for RC238499