

Product datasheet for **RG228872**

TMEM44 (NM_001166306) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM44 (NM_001166306) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMEM44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228872 representing NM_001166306 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGGGGAGGGCGCCAGCCCCGCGCCCGCTCTGGGACTGGGACTACCTGGACCGCTGCTTCGCCCCGA
ACCGCGTCTGCATCTCCTTCGGCCTGTGGATCTGCGCCTCCTCCTGTGGATCGCCGCCACGCGTCTGT
TCTCTATCTGAGATGTGCACAGAAACCCAGACAGGACAGTCGGCACTGTGTGCTGCATGCTGCCTCCTG
ACCAGTCTGTGTGACACCGTCGGGGCTCTCTGGCCAGACAGCTCACAATCCAGGTTTTCACTGGTGCCT
ACCTAGCAGCTATTGACTTAGTGAACCTTATGTTCACTTCTTCCCAGTCTGTGGATCCAAATTCAGTC
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GGCCACAGCGGAGGCTGCTAGCGAGCCTGCTGCAGGAAAATACTGAGATCCTCGGCTACCTGCTGGGTAG
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AAGGAAGCCAGAGAGAGCCCTGACACCAAGCCCTTTTGACCTGTGCAGAGAAAGAGGAAGAAAACCAGG
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TCGCTACATGGAGCTGACCATCGAGCCTGTGCAGCAGGCTGCAGTGCCACCCAGGCTGCCAGGTGACGGGC
AGACGAGCGCCGGAGATGCGTCCCTGCAGGACCCCCCTCGTACCTCCCGTTACAGTGCATCCGGGCCCC
GGTGTCTTCCGGCAGCTCCTCTGAGGTCTCCTCCATCAACTCCGACCTGGAGTGGGACCCTGAAGATG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228872 representing NM_001166306
 Red=Cloning site Green=Tags(s)

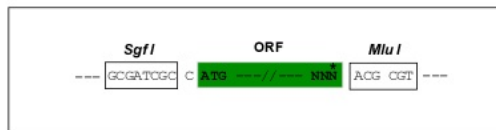
MGEAPSPAPALWDWDYLDRCFARNRVCISFGLWICASSCWIAAHALLLYLRCAQKPRQDQSALCAACCLL
 TSLCDTVGALLARQLTIQVFTGAYLAAIDL VNFMFILFPVCGSKFKSNSDREARERKRRRQLRASVFALA
 LPLSLGPCWALWVAVPKASATIRGPQRRLLASLLQENTEILGYLLGSVAAFGSWASRIPLSRICRGKTF
 PSIHLWTRLLSALAGLLYASAIVAHDRHPEYLLRATPWFLTSLGRAALDLAIIFLSCVMKSKMRQALGFA
 KEARESPDTQALLTCAEKEEENQENLDWVPLTTLSHCKSLRTMTAISRYMELTIEPVQAAVPPGCQVTG
 RRAPEMRPCRTPRRTLPRFRSSGPGCLPAAPLRSPSTPTWSGTLKM

TRTRPLE - GFP Tag - V

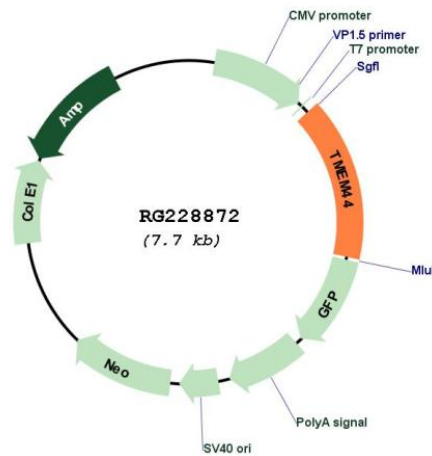
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001166306

ORF Size:	1188 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:	<ol style="list-style-type: none">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_001166306.1 , NP_001159778.1
RefSeq Size:	2358 bp
RefSeq ORF:	1191 bp
Locus ID:	93109
UniProt ID:	Q2T9K0
Cytogenetics:	3q29
Protein Families:	Transmembrane