

Product datasheet for **RG219696**

TMEM26 (NM_178505) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM26 (NM_178505) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TMEM26
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG219696 representing NM_178505
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGACTGGTCTTCCTAACGCCCTGGCCACTCGGTTGCTGTTCTGCTGCACTCGCTGGTCGGGG
TCTGGCGAGTGACCGAGGTGAAGAAGGAGCCGCGTACTGGCTGCTTGCCTGCTCAACCTCTTGCTCTT
CCTGGAGACTGCGCTCACCTCAAGTTCAGCGCGCAGAGGCTACAAATGGTTTTACCAGCCATATTT
TTATATCTGATTAGCATCGTCCATCATTATGGCTTCTGAATTGCACCATGAGACCCAGTATTGCAGTA
TCCAGGCTGAAGGAACATCACAGAATACCAGCAGAAAAGAAGACTTCAATCAAACATTGACATCCAATGA
ACAAACCAGTAGAGCTGATGATCTCATTGAGACGCCAAAGTTTTGTGAATAACTTATCTACAGTATGT
GAGAAAGTTTGGACATTGGGACTCCATCAGACATTCTGTTAATGCTAATAATTGGAAGATGGCTTCTAC
CCATTGGAGGCGGGATCACTCGAGATCAACTCTCTCAACTTCTTCTTATGTTTGTGGGGACAGCGCTGA
CATACTGGAATTCACAAGTGAGACCCTAGAAGAACAAAATGTGAGGAATAGTCCTGCACTAGTCTATGCC
ATCCTTGTATATGGACTTGGAGCATGCTGCAGTTTCCACTTGACCTGGCAGTACAGAACGTTGTGTGCC
CTGTGTCCGTGACAGAGAGGGGATTCCCCAGCCTGTTCTTTGCCAGTACAGTCCGATCTGTGGAACAT
CGAATCAGCGTCTTCATAACAAGATGGCCCTTCTTGTGCGTGCCTCATACTGATGACCTATTTCAA
GTGATCAATCAGATGCTGGTGTCTTTGCCGCAAGAACTTCTCGTGGTGGTGTGCAACTCTACCGCT
TGGTGGTGTGGCATTGGCAGTCCGTGCTTCGTTGAGAAGTCAAGTACAGAGGCCTGAAAGGAGAACATGG
TTGCCGGGCACAGACCTCTGAGAGTGGGCCCTCTCAGCGGGACTGGCAGAACGAGTCTAAGGAGGGCCTG
GCTATTCTTTGCGGGGCTCCCCAGTCACTCCGACGACTCCCACCACACCCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG219696 representing NM_178505
 Red=Cloning site Green=Tags(s)

MEGLVFLNALATRLFLLLHSLVGVWRVTEVKKEPRYWLLALLNLLLLETALTLKFKRGRGYKWFSPAIF
 LYLISIVPSLWLELHHETQYCSIQAEGTSQNTSRKEDFNQTLTSNEQTSRADDLIETAKVFNLLSTVC
 EKVWTLGLHQTFLLMLIIGRWLLPIGGGITRDQLSOLLMFVGTAAIDILEFTSETLEEQNVRNPSALVYA
 ILVIWTWSMLQFPLDLAVQNVVCPVSVTERGFPSLFFCQYSADLWNIGISVFIQDGPFLVVRILIMTYFK
 VINQMLVFFAAKNFLVVVLQLYRLVVLALAVRASLRSQSEGLKGEHGCRAQTSESGPSQRDWQNESKEGL
 AIPLRGSPTVSDSSHHTP

TRTRPLE - GFP Tag - V

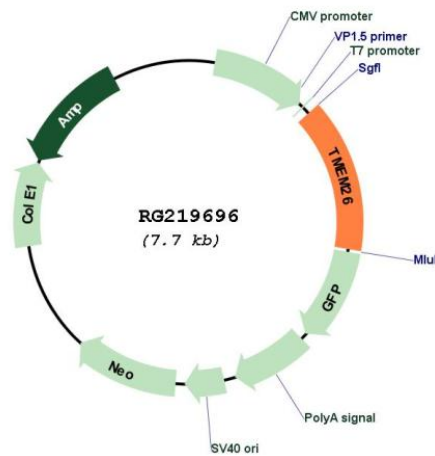
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_178505

ORF Size:	1104 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_178505.5 , NP_848600.2
RefSeq Size:	5170 bp
RefSeq ORF:	1107 bp
Locus ID:	219623
UniProt ID:	Q6ZUK4
Cytogenetics:	10q21.2
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a protein containing multiple transmembrane helices. It is a selective surface protein marker of brite/beige adipocytes, which may coexist with classical brown adipocytes in brown adipose tissue. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2015]