

Product datasheet for **RG219055**

TSPAN16 (NM_012466) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TSPAN16 (NM_012466) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TSPAN16
Synonyms: TM-8; TM4-B; TM4SF16
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG219055 representing NM_012466
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAAATCCACACTCCGTATTCTTCCTTGAAGAACTGTTATCTTTACTCAATGGCTTCGTGGCTG
TGTCTGGCATCATCCTAGTTGGCTGGCATTGGTGGTAAATGTGGAGGGCCTCTCGACGAATGCCT
CGGGCTGTCTCCGCATACCTCCTCACGTTGGCAACCTGTGCCTGGTATGGGATGCATACGGTACTG
CTTGGCTGTCCGGTGGTATGGAGCGACTAAAGAGAGCAGAGGCACGCTCTGTTTTGCATCCTGTCAA
TGTTATTGTCTCATCATGGAAGTTACAGCTGCCACAGTGGTCTTCTTTCTTTCCAATTGTTGGAGA
TGTGGCCTTGAACACACCTTCGTGACCCTGAGGAAGAATTACAGAGGTTACAACGAGCCAGACGACTAT
TCTACACAGTGGAACTTGGTCATGGAGAAGCTAAAGTGCTGTGGGTGAATAACTACACAGATTTTTCTG
GCTCTTCTTCGAAATGACAACGGGCCACACCTACCCAGGAGTTGCTGTAATCCATCGGAAGTGTGC
CTGTGACGGACGGATGTGTCTCAAACGTCATCCACCAGAAGGGCTGTTCCATAAACTCCTAAAAATC
ACCAAGACTCAGAGCTTACCCTGAGTGGGAGCTCTCTGGGAGCTGCAGTGATACAGAGGTGGGGTCTC
GCTATGTTGCGCAGGCTGGTCTTGAAGTCTGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG219055 representing NM_012466
 Red=Cloning site Green=Tags(s)

MAEIHTPYSSLKKLLSLLNGFVAVSGIILVGLGIGGKCGGASL TNVLGLSSAYLLHVGNLCLVMGCITVL
 LGCAGWYGATKESRGTLLFCILSMVIVLIMEVTAATVLLFFPIVGDVALEHTFVTLRKNYRGYNPDDY
 STQWNLVMEKLKCCGVNNYTDGSGSSFEMTTGHTYPRSCCKSIGSVSCDGRDVPSPNVIHQKGCFFHKLKLI
 TKTQSF T LSGSSLGAAVIQRWGSRYVAQAGLELLA

TRTRPLE - GFP Tag - V

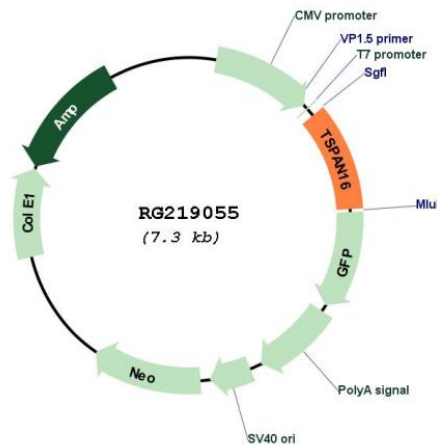
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_012466

ORF Size: 735 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_012466.4
RefSeq Size:	1040 bp
RefSeq ORF:	738 bp
Locus ID:	26526
UniProt ID:	Q9UKR8
Cytogenetics:	19p13.2
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein might couple to signal transduction pathways and possibly modulate cellular activation and adhesion in haemopoietic and neural tissue. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]