

Product datasheet for **RG213407**

TSPAN17 (NM_012171) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN17 (NM_012171) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TSPAN17
Synonyms:	FBX23; FBXO23; TM4SF17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213407 representing NM_012171 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCGCAAGCACCAGCATTTCAGGAACCTGAGGTCGGCTGCTGCGGAAATACTTCTGTGGCT
TCAACATTGTCTTCTGGGTGCTGGGAGCCCTGTTCTGGCTATCGGCCTCTGGCCTGGGGTGAGAAGGG
CGTTCTCTCGAATCTCAGCGCTGACAGATCTGGGAGCCCTTGACCCCGTGGCTGTTTGTGGTAGTT
GGAGGCGTCATGTCGGTCTGGCTTTGCTGGCTGCATTGGGGCCCTCCGGGAGAACACCTTCTGCTCA
AGTTTTTCTCCGTGTTCTCGGTCTCATCTTCTCCTGGAGCTGGCAACAGGGATCCTGGCCTTTGTCTT
CAAGGACTGGATTGAGACCAGCTCAACCTCTTCAACAACAACGTCAGGCCTACCGGACGACATT
GACCTCCAGAACCTCATTGACTTTGCTCAGGAATACTGGTCTTGTGCGGAGCCCGAGGCCCAATGACT
GGAACCTCAATATCTACTTCAACTGCACTGACTTGAACCCAGCCGGGAGCGCTGCGGGGTGCCCTTCTC
CTGCTGCGTCAGGGACCCTGCGGAGGATGTCCTCAACACCCAGTGTGGCTACGACGTCGGCTCAAACCTG
GTGAGAGGGGAGCTGGAGCAGCAGGGCTTCCACACCAAAGGCTGCGTGGGCCAGTTTGAAGAAGTGGC
TGCAGGACAACCTGATTGTGGTGGCGGGAGTCTCATGGGCATCGCCCTCCTCCAGATCTTTGGCATCTG
CCTGGCCCAGAACCTCGTGAGTGACATCAAGGCAGTAAAAGCAACTGGAGCAAATGGAATGATGACTTT
GAAAACCACTGGCTTACGCCACCATTTCCGAGGTCCTGTCCACGGCGGGCCCTCAGCAGAACTCTGA
CTGGGGCCCTGGCCCGGCCACCCAGCCGACATGTTTTCTTTGGCCTGGGTGGTTTATACCCCTGAGCC
AACCTTTAAAAATTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG213407 representing NM_012171
 Red=Cloning site Green=Tags(s)

MPGKHQHFQEPEVGGCCGYFLFGFNIVFWVLGALFLAIGLWAWGEGVLSNISALTDLGGLDPVWLFVVV
 GGVMSVLGFAGCIGALRENTFLKFFSVFLGLIFFLELATGILAFVFKDWIRDQLNLFINNPKAYRDDI
 DLQNLIDFAQEIYWSCCGARGPNDWNLNIYFNCTDLNPSRERCVPFSCCVRPDPAEDVLTQCGYDVRLLK
 VRGELEQQGFIIHTKGCVGQFEKWLQDNLI VVAGVFMGIALLQIFGICLAQNLVSDIKAVKANWSKWDDF
 ENHWLTPTI SEVLSTAGPQQNSLTGAPGPAPPSRHVFFGLGGLYPEPTFKNW

TRTRPLE - GFP Tag - V

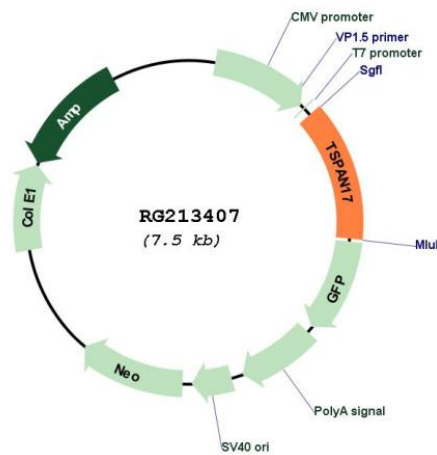
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_012171

ORF Size: 996 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_012171.3
RefSeq Size:	2605 bp
RefSeq ORF:	999 bp
Locus ID:	26262
Cytogenetics:	5q35.2
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the transmembrane 4 superfamily. It is characterized by four tetraspanin transmembrane segments. The function of this gene has not yet been determined. [provided by RefSeq, Mar 2014]