

Product datasheet for **MG202532**

Tspan2 (NM_027533) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tspan2 (NM_027533) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tspan2
Synonyms:	6330415F13Rik; B230119D02Rik; tspan-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202532 representing NM_027533 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCGTTTTTCGGGGGGCCTGCGGTGCATCAAGTATCTGCTGCTCGGCTTCAACCTGCTGTTCTGGC
TAGCCGGATCAGCCGTTATTGCATTTGGACTATGGTTTCGATTTGGAGGTACCATGAAGGATTTATCATC
AGAGGACAAGTCCCAGAGTATTCTATGTGGGGCTGTATGTGCTGGTTGGTCTGGGGCCCTGATGATG
ACTGTGGGTTTCTTCGGGTGCTGTGGAGCCATGCGTGAGTCACAGTGTGTGCTCGGATCATTTTTACCT
GTCTGTTGGTGATATTTGCTGCTGAAGTAACCACTGGAGTATTTGCATTTATAGGCAAGGATGTAGCTAT
ACGACATGTACAGAGCATGTATGAGGAGCCTACAGCGACTACCTAAAGACAGGCAAGAGGAAATGGA
ACTCTATTACCTTCCACTCAGCATTTCAGTGCTGTGAAAAGAAAGCTCTGAGCAAGTCCAGCCCACGT
GTCCAAAGGAGCTCCCAGGCCACAAGAATTGCATCGACAAAATTGAAACCGTAATCAGTGCTAAACTGCA
GCTCATTGGAATTGTTGGTATTGGGATTGCGGGTCTCACGATCTTTGGCATGATATTCAGCATGGTGCTT
TGCTGTGCAATACGGAATCACGTGATGTGATC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202532 representing NM_027533
 Red=Cloning site Green=Tags(s)

MGRFRGGLRICKYLLLFNLLFWLAGSAVIAFGLWFRFGGTMKDLSSSEDKSPEYFYVGLYVLVGAGALMM
 TVGFFGCCGAMRESQCVLGSFFTCLLVIFAEEVTTGVFAFIGKDVAIRHVQSMYEEAYS DYLKDRARGNG
 TLITFHSAFQCCGKESSEQVQPTCPKELPGHKNCIDKIE TVISAKLQLIGIVGIGIAGLTI FGMI F SMVL
 CCAIRNSRDVI

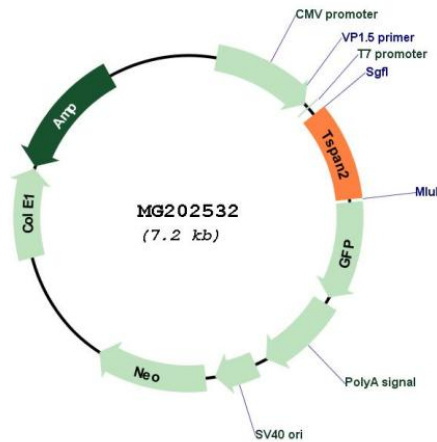
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_027533

ORF Size: 663 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_027533.2 , NP_081809.2
RefSeq Size:	4243 bp
RefSeq ORF:	666 bp
Locus ID:	70747
UniProt ID:	Q922J6
Cytogenetics:	3 F2.2
Gene Summary:	May play a role in signalling in oligodendrocytes in the early stages of their terminal differentiation into myelin-forming glia and may also function in stabilizing the mature sheath.[UniProtKB/Swiss-Prot Function]