

Product datasheet for **MR203238**

Tspan3 (NM_019793) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tspan3 (NM_019793) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tspan3
Synonyms:	1700055K04Rik; TM4-A; Tm4sf8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203238 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAATGCGGCATCACCTCCTCTAAGACCGTGCTGGTCTTCTCAACCTCATCTTCTGGGGGGCAG
CTGGCATCCTCTGCTACGTGGGAGCCTATGTCTTCATCACCTATGACGACTATGACCACTTCTTCGAGGA
TGTGTACACGCTCTCCCTGCCGTGGTATCATAGCTGTAGGAGCCTTGCTTTTCATCATTGGCCTGATC
GGCTGCTGTGCTACAATCCGGGAGAGCCGCTGTGGACTTGCCACGTTTGTCTTCATCCTGCTCTTGTTT
TCGTACAGAAAGTGGTTGTTGTGGTTTTGGGATACGTGTACAGAGCAAAGTGGAGAACGAGGTTGATCG
CAGCATTAGAAAGTGTATAAGACCTACAACGGGACCAACTCCGACGCTGCCAGCCGTGCTATTGACTAT
GTGCAGAGACAGTTGCACTGTTGTGCAATTCATAACTATTCAGACTGGGAAAATACAGATTGGTTCAAAG
AAACAAAAAACAGAGTGTCCCTCTTAGCTGCTGCAGAGAGACTGCCAAAAGCTGTAACGGCAGCCTGGC
CAACCCCTCTGACCTCTACGCCGAGGGCTGTGAGGCTCTTGTGTGAAGAAGCTACAAGAAATCTTGATG
CATGTTATCTGGGCAGCGTTGGCCTTTGCAGCTATTCAGCTGCTGGGCATGCTGTGCGCATGCATCGTGT
TGTGCAGACGGAGTAGAGATCCTGCCTATGAGCTCCTCATCACTGGCGGAACCTACCGG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203238 protein sequence
Red=Cloning site Green=Tags(s)

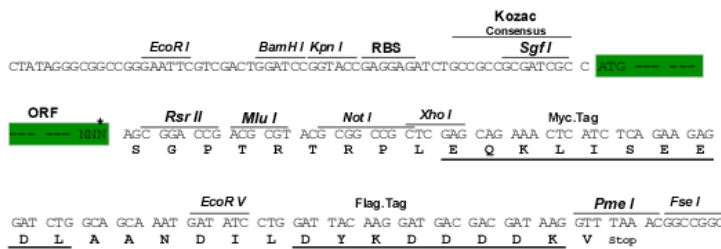
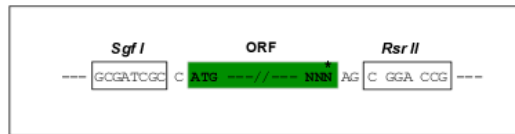
MGQCGITSSKTVLVFLNLIWGAAGILCYVGAYVFITYDDYDHFEDVYTLFPAVVIIAVGALLFIIGLI
 GCCATIRESRCGLATTFVIFILLVVFVTEVVVVVLGYVYRAKVENEVDRSIQKVYKTYNGTNSDAASRAIDY
 VQRQLHCCRIHNYSWENTDFWKETKNQSVPLSCCRETAKSCNGSLANPSDLAEGCEALVVKKLQEILM
 HVIWAALAFAAIQLLGMLCACIVLCRRSRDPAYELLITGGTYA

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_019793

ORF Size: 762 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:

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_019793.2](#), [NP_062767.2](#)

RefSeq Size: 1747 bp

RefSeq ORF: 762 bp

Locus ID: 56434

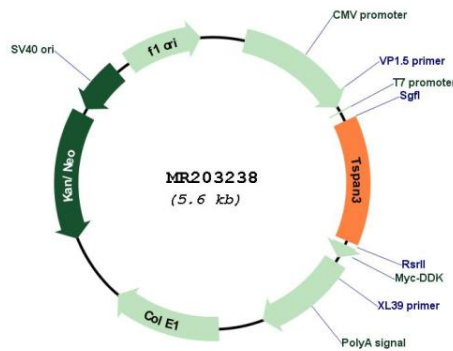
UniProt ID: [Q9QY33](#)

Cytogenetics: 9 B

MW: 28.1 kDa

Gene Summary: Regulates the proliferation and migration of oligodendrocytes, a process essential for normal myelination and repair.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203238