

## Product datasheet for **MG203556**

### Tspan5 (NM\_019571) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tspan5 (NM_019571) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tspan5
Synonyms:	2810455A09Rik; 4930505M03Rik; NET-4; Tm4sf9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203556 representing NM_019571 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCGGGAAGCACTACAAGGGTCTGAAGTCAGTTGTTGCATCAAATACTTCATTTTTGGCTTCAATG  
TCATATTTGGTTTTGGAAATAACGTTTCTTGAATCGGACTGTGGCGTGGAATGAAAAGGTGTCT  
CTCCAACATCTCGTCCATCACCGACCTCGGTGGCTTTGACCCAGTGTGGCTTTTCCTTGTGGTGGGAGGA  
GTGATGTTCAATCTGGGGTTTGCAGGGTGCATCGGAGCACTTCGGGAAAACACCTTCTTCTCAAGTTTT  
TTTCTGTGTTCTGGGGATTATTTCTTCTGGAACACTGCTGGGGTGTGGCATTGTTTTCAAGA  
CTGGATCAAAGACCAGCTGTATTTCTTTATTAACAACAACATCAGAGCCTACAGAGATGACATTGATCTA  
CAGAACCCTCATAGACTTCACCCAGGAATATTGGCAGTGTGTGGGGCTTTTGGAGCTGATGATTGGAACC  
TAAATATTTACTTCAATTGCACAGATTCCAATGCAAGCCGAGAGCGATGCGGTGTGCCATTTTCTGCTG  
CACTAAAGACCCCGGAAGATGTCATCAACACTCAGTGTGGCTATGATGCCAGGCAGAAACCAGAAGTT  
GACCAACAGATTGTAATCTACACAAAAGGCTGTGTGCCCCAGTTTGAGAAGTGGCTACAGGACAATTTAA  
CCATCGTGGCTGGTATTTTCATAGGCATTGCATTGCTACAGATTTTTGGGATATGCTGGCACAGAATTT  
GGTGAGTGACATTGAAGCTGTCAGGGCTAGCTGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203556 representing NM\_019571  
 Red=Cloning site Green=Tags(s)

MSGKHYKGPEVSCCIKYFIFGFNVIFWFLEITFLGIGLWAWNEKGLVSNISSITDLGGFDPVWFLVVG  
 VMFILGFAGCIGALRENTFLLKFFSVFLGIFFLELTAGVLAFFVKDWIKDQLYFFINNNIRAYRDDIDL  
 QNLIDFTQEYWQCCGAFGADDWNLNIYFNCTDSNASRERCVPFSCCTKDPADVINTQCGYDARQKPEV  
 DQQIVIYTKGCVPOFEKWLQDNL TIVAGIFIGIALLQIFGICLAQNLVSDIEAVRASW

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_019571

**ORF Size:** 804 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\\_019571.1](#), [NP\\_062517.1](#)

**RefSeq Size:** 3175 bp

**RefSeq ORF:** 807 bp

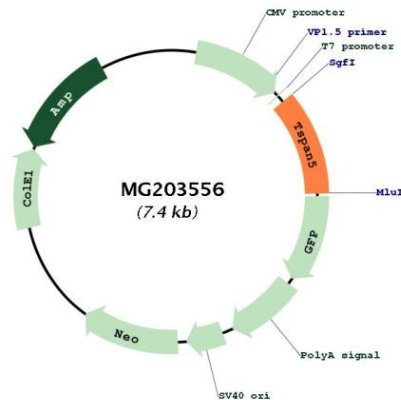
**Locus ID:** 56224

**UniProt ID:** [P62080](#)

**Cytogenetics:** 3 H1

**Gene Summary:** Regulates ADAM10 maturation and trafficking to the cell surface (PubMed:23035126). Promotes ADAM10-mediated cleavage of CD44 (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG203556