

## Product datasheet for **MG222892**

### Sptan1 (NM\_001076554) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sptan1 (NM_001076554) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sptan1
Synonyms:	2610027H02Rik; Spna-2; Spna2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222892 representing NM_001076554 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATCCAAGTGGGGTCAAAGTGTGGAACAGCCGAGGACATCCAGGAGAGACGACAGCAAGTCTGG  
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CACTCTTTGTGAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG222892 representing NM\_001076554  
 Red=Cloning site Green=Tags(s)

MDPSGVKVLETAEDIQERRQQVLD RYHRFKELSTLRRQKLEDSYRFQFFQRDAEELEKWIQEKLVASDE  
 NYKDPTNLQGLKQKHQAFEA EVQANS GAIVKLDE TGNLMI SEGHFASETIRTRLMELHRQWELLLEKMRE  
 KGIKLLQAQKLVQYLRECE DVM DWINDKEAIVTSEELGQDLEHVEVLQKKFE EFQTDLAAHEERVNEV SQ  
 FAAKLIQE QHP E EELIKTKQDEVNAAWQRLKGLALQRQKLF GAAEVQRFNRDVDETIIGWIKKEQLMAS  
 DDFGRDLASVQALLRKHEGLERDLAAL EDKVKALCAEADRLQSSHPLSASQIQVKREELITNWEQIRTLA  
 AERHARLDDSYRLQRFLADFRDLTSWVTEMKALINADELANDVAGAEALLDRHQEHKGEIDA HEDSFKSA  
 DESGQALLAASHYASDEVREKLSILSEERTALLELWELRRQQYEQCMDLQLFYRDEQVDNWM SKQEAF L  
 LNE DLGDSLDSVEALLKKHEDFEKLSAQEEKITALDEFATKLIQNNHYAMEDVATRRDALLSRRNALHE  
 RAMHRRALQADS FHLQQFFRDSDELKSWVNEKMTATDEAYKDPSNLQGVQKHQAFEAELSANQSRIDA  
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 DL AALGDKVNSLGETAQRLIQSHPE SAEDLKEKCTELNQA WTS L GKRADQRKAKLGD SHDLQRFLSDFRD  
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 LHQFFRDMDEESWIKKLLVSEDYGRDLTGVQNL RKKHKRLEAE LAAHEPAIQGVLD TGKLLSDDNT  
 IGQEEIQQLRAQFVEHWKELKQLAAARGQRLEESLEYQ QFVANVEEEEAWINEKMTLVASEDYGDTLAAI  
 QGLLKKHEAFETDFTVHKDRVNDVCTNGQDLIKKNNHHEENISSKMKGLNGKVS DLEKAAAQRKAKLDEN  
 SAFLQFNWKADV VESWIGEKENSLKTDDYGRDLSSVQTL LTKQETFDAGLQAFQQEGIANITALKDQLLA  
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 LDTVDPNRDGHVSLQEYMAFMISRETENVKSSEEIESAFRAL SSEGKPYVTK EELYQNL TREQADYCVSH  
 MKPYVDGKGRELPTAFDYVEFTRSLFVN

TRTRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001076554.2</a> , <a href="#">NP_001070022.1</a>
<b>RefSeq Size:</b>	8042 bp
<b>RefSeq ORF:</b>	7437 bp
<b>Locus ID:</b>	20740
<b>Cytogenetics:</b>	2 20.93 cM