

## Product datasheet for **MG210483**

### Slitrk5 (NM\_029273) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slitrk5 (NM_029273) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slitrk5
Synonyms:	2610019D03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>MG210483 representing NM\_029273  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCACGTTTGTGCCCCCAGTAACTTTGGAACAGGACCTTACAGAAAAATGCATAGCTGGATGCTGC  
AGACTCTAGCATTGCTGTAACATCTCTCGTCCTTTCCTGTGCAGAAACCATCGATTATTATGGGAAAT  
CTGTGACAATGCATGTCCTTGTGAGGAAAAGGACGGCATTTTAACTGTGAGCTGTGAAAACCGGGGCATC  
ATCAGTCTCTGAAATTAGCCCTCCCCGTTTCCCAATCTATCACCTCTTGTGTCTGAAAACCTTCTGA  
GCCGCCTCTATCCCAATGAGTTTGTAAATTACACAGGGGCTTCAATTTTACATCTGGGTAGCAATGTTAT  
CCAAGACATTGAGACTGGGGCTTTTCATGGGCTGAGGGGTTTGGGCGACTCCATCTAAACAATAATAAA  
TTGGAACCTTCTGCGAGATGATACCTTTCTGGCTTGGATAACTTAGAATACCTGCAGGTCGATTACAATT  
ACATCAGTGTCTTGAACCAATGCTTTTGGGAACTGCACATGCTGCAGGTGCTTATCCTCAATGACAA  
TCTCTTGTGAGGTTTACCAACAATCTTTCCGTTTTGTGCCCTTAACGCACTTGGACTTGGGGGGAAC  
AGGCTGAAACTTCTGCCCTATGTGGGGCTGTGCAACACATGGATAAAGTTGTGGAATTACAGCTGGAGG  
AAAACCCCTGGAATTGCTCCTGTGAACTAATTTCTCTCAAGGATTGGTTGGACAGCATCTCTACTCAGC  
CCTTGTGGGCGATGTGGTCTGTGAGACCCCTTCCGTCTACACGGCAGGGATTTGGACGAGGTATCCAAG  
CAGGAACCTTGTCCAAGGAACTCATTTCTGACTACGAGATGAGGCCACAGACTCCTTTAAGCACCACGG  
GGTATCTACATACCACCCAGCTTCTGTAACCTCTGTGGCCACTTCTTCTCTGCTGTTTACAAACCCCT  
CTTGAAGCCTCCTAAGGGGACCCGCCAGCCCAACAAACCCAGAGTGCGCCCACTTCTAGGCAGCCCTCT  
AAAGACTTGGGCTACAGTAACTATGGCCCCAGCATAGCCTACCAGACCAATCCCCGGTGCCTTTGGAAT  
GTCTACAGCATGTAATGCAACCTGCAGATCTCTGATCTGGGTCTCAATGTCAACTGCCAAGAGCGCAA  
GATCGAGAGCATCGCGGAGCTGCAGCCCAAGCCCTACAATCCCAAGAAAATGTACCTGACAGAGAATCTAT  
ATCACTGTTGTGCGCAGAACAGACTTCCCTGGAAGCCACCGGTCTAGACCTCCTGCACCTGGGTAATAACC  
GCATCTCCATGATCCAGGACCGGCCTTTGGGGATCTAGGCAACCTGAGACGCCTCTATCTGAATGGCAA  
CAGGATTGAGAGGCTGAGCCAGAATTATTCTATGGCCTGCAGAGCCTGCAGTATCTTCTCCTCCAGTAC  
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ACAACCAACTGCAGGCCATGCCTTCCGGTGTCTTCTCTGGCCTGACACTTCTCAGGCTGAACCTGAGGGG  
TAACAGCTTCACTTCTTCCAGTGAGTGGAGTTTGGATCAGCTGACTCCCTCATTCAAATAGATCTA  
CATGACAACCTTGGGATTGTACCTGCGACGTGGTGGCATGAAGCTGTGGATTGAGCAGCTCAAAGTGG  
GGGTGTTAGTGGACGAAGTATCTGTAAGGCGCCCAAGAAATTCGAGAGACCTACATGCGGTCCATCAA  
GTCTGAACTGCTATGCCAGACTACTCTGATGTGGTGGTTTCCACGCCACGCCCTTCCATCCAGGTA  
CCATCCAGGACGAACGCAGCGACTCCAGCTGTGAGGTTGAATAGCACTGGGACCCCGCAGGCTTAGGAG  
CTGGGACGGGGCATCTCTGTGCCCTTATCCGTGTTGATCCTCAGTCTGCTGCTGGTTTTATCATATGTC  
CGTCTTTGTGGCAGCAGGCTTTTCGTGCTGGTTCATGAAACGGAGGAAAAAGAACCCAGAGCGACCACACC  
AGTACCAACAATCCGCCCAACAGCCCCAGCAGCCCCCTCCGAGATGCAGATGCAGCCTGGGGAG  
GAGGAGAGGGGAAAGCCACCATTTGAGGAGCCCCGCTACAGCGTCAGCACCATCGAGCCCCGAGAGG  
ACCTACTGTCGCCGGTGCAGGACGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG210483 representing NM\_029273  
 Red=Cloning site Green=Tags(s)

MHVCCPPVTLEQDLHRKMHSWMLQTLAFVTSVLVLSCAETIDYYGEICDNACPCEEKDGILTVSCENRGI  
 ISLSEISPPRFPIYHLLLSGNLLSRLYPNEFVNYTGASILHLGNSVIQDIETGAFHGLRGLRRLHLNHNK  
 LELLRDDTFLGLDNLEYLQVDYNYISVIEPNAFGKHLMLQVLIILNDNLLSGLPNNLFRFVPLTHLDRGN  
 RLKLLPYVGLLQHMDKVVELQLEENPWNCSELI SLKDWLDSISYSALVGDVVCETPFRLHGRDLDEVSK  
 QELCPRKLI SDYEMRPQTPLSTTGYLHTTPASVNSVATSSSAVYKPPKPKGTRQPNKPRVPTSRQPS  
 KDLGYSNYGPSIAYQTKSPVPLECPTACTCNLQISDLGLNVNCQERKIESIAELQPKPYNPKKMYLTENY  
 ITVVRRTDFLEATGLDLLHLGNNRISMIQDRAFGDLGNLRLYLNGNRIERLSPELFYGLQSLQYLFQY  
 NLIREIQAGTFDPVPNLQLLFLNQLQAMP SGVFSGLTLLRLNLRGNSFTSLPVSGLDQLTSLIQIDL  
 HDNPWDCTCDVGMKLWIEQLKVGVLVDEVIKAPKFAETYMRSIKSELLCPDYSDVVSTPTPSSIQV  
 PSRTNAATPAVRLNSTGTPAGLGAGTGASSVPLSVLILSLLL VFIMSVFVAAGL FVLVMKRRKKNQSDHT  
 STNNSAATAAAA SADADA AWGGGEAGKPPFEPR LQRQHHRAPRGPTVAGAGR

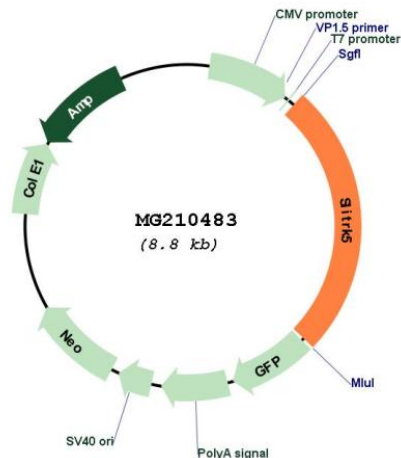
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_029273

**ORF Size:** 2265 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\\_029273.1](#)

**RefSeq Size:** 4545 bp

**RefSeq ORF:** 2267 bp

**Locus ID:** 75409

**Cytogenetics:** 14 E4

**Gene Summary:** Suppresses neurite outgrowth.[UniProtKB/Swiss-Prot Function]