

## Product datasheet for **MC222090**

### Slitrk2 (NM\_001161431) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slitrk2 (NM_001161431) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slitrk2
Synonyms:	A930040J07
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222090 representing NM\_001161431  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGAGCGCGCTTTGGTTCCCTCAGTGTGTTAACAGTGGCCGGGATCTTACAGACCAGAGTGCAGAAA  
 CTGCCAAAGACATTTGCAAGATCCGCTGCTTGTGCGAAGAGAAGGAAAAGTACTGAATATTAACCTGTGA  
 AAACAAAGGATTTACAACGTGTCAGTTTGTCTCAACCCCCCAGTATCGCATCTATCAGCTGTTTCTCAAC  
 GAAACCTCTTGACCAGACTGTATCCAATGAGTTGTCAATTATTCAAATGCGGTGACTCTTCATCTAG  
 GTAACAATGGGCTGCAGGAGATCCGACCTGGGGCATTAGTGGTCTGAAAACCTCAAAGACTGCACCT  
 CAATAACAACAACTGGAGGATTGCGAGAGGACACTTTTCTAGGCCTAGAGAGTCTGGAGTACCTCAA  
 GCTGACTACAATTACATCAGCACCATCGAGGCAGGGCATTAGCAAACTGAATAAGCTGAAAGTACTCA  
 TCCTGAATGACAACCTTTTGTGCTTTTGCAGTAATGTGTTTCGGTTTGTCTGCTGACTCACTTAGA  
 CCTGAGGGGAAACAGGTTGAAAGTAATGCCTTTTGTGCTGCTTGAACATATTGGAGGAATCATGGAA  
 ATTCAGCTGGAAGAAAACCCGTGGAATTGCACCTGTGACTTACTTCTCTCAAGGCATGGCTGGACACCA  
 TTAAGTGTGTTTGTGGGGGAGATTGTCTGTGAAACCCCTTTCAGGTTACATGGGAAAGATGTGACCCAGT  
 GACCAGACAAGACCTCTGTCCCAGAAAAGTGAAGTGGTATTCTAGTCAAGGAGCAGCCATTGAGAC  
 ACACATGTTCAAAGGCTGACCCCTACAACAAATCCTGCTCTCAACCAACAGAGCTCCAAAAGCCAGCC  
 GGCCACCCAAAATGAGAAATCGTCCGACTCCTCGAGTACTGTGTCAAAGACCAGGAGCTTTGGCC  
 GATCATGGTGTACCAGACCAAGTCCCGTGGCCCTCACCTGTCCAGCAGCTGTGTCTGACTTCTCAG  
 AGCTCAGACAATGGTCTAAATGTGAATTGCCAAGAAAGGAAGTCACTAACATCTCTGACCTACAGCCCA  
 AACCTACCAGTCCAAAGAACTACTACCTAACAGGGAATCTCTCAAACAGTCTATAAGAAATGACCTCT  
 AGAATACAGTTCACTGGATTTGTTGCATTTAGGAAACAACAGGATTGCAGTCATTAGGAAGGTGCCTTT  
 ACAACCTGACCAGTTTACGAAGACTTTATCTGAATGGCAATTACCTTGAAGTGTGTATCCTTCTATGT  
 TTGATGGACTGCAGAGCTTGCAGTATCTCTATTTAGAGTATAATGTCATTAAGGAAATTAAGCCTCTGAC  
 CTTTGTGCTTTGATTAACCTCCAGCTCCTGTTTCTGAATAACAACCTGTGAGGTCCTTACCTGATAAT  
 ATATTTGGGGGCACAGCCCTCACCAGGCTGAATCTGAGAAACAATCATTTTTCTCACCTGCCTGTGAAAG  
 GGGTCTGGACCAGCTTCTGCTTTTATCCAGATAGATCTGCAAGAGAACCCATGGGACTGCACCTGTGA  
 CATCATGGGCTAAAGGACTGGACCGAACATGCCAATTCTCCTGTATCATCAATGAGGTGACTTGTGAG  
 TCTCCCGTAAGCATGCAGGGGAGATACTGAAATTCCTGGGAAGGGAGGCTATTTGTCCAGAAAATCCTA  
 ACCTGTACAGATGGGACTATTTTGTCAATGAATCAACACAGACACACCTAGATCACTTAGTGTGTCTCC  
 TAGTTCCTACCCGAACTACACACTGAAGTTCCTCTCCGTTTTAATTTAGGATTGCTTGTGTTTTT  
 ATCCTGTCTGTCTGTTTTGGGGCGGGTGTTCGCTTTTGTCTGAAGCGTCGAAAGGGAGTGCCAAATG  
 TTCCCAGGAATGCCACCAACTTAGATGTAAGTTCCTTCCAGTTACAATATGGGTCTTACAACACCCGAGAC  
 TAATGATAAAGCTGATGGCCACGTCTATAACTACATTCTCCACCTGTGGGTGAGATGTGCCAAAACCC  
 ATCTACATGCAGAAGGAAGGAGACCCAGTGGCCTATTACCGAAATCTGCAGGACTTCAGCTATGGCAACC  
 TGGAGGAAAAAAGAAGAACCTGCCACACTTGCTTACACAATAAGTGCCACTGAGTTGCTAGAAAAACA  
 GGCCACACCAAGAGAGCCTGAGCTGCTGTATCAGAATATTGCTGAGCGAGTTAAGAAGCTCCAGTGCA  
 GGCTAGTCCACTATAACTTTTGTACCTTACCTAAAAGGCAAGTTGCCCCCTCATATGAATCTCGACGCC  
 AAAACCAAGACAGAATCAATAAAACCGTTTTATATGGGACTCCCAGAAAATGCTTTTGTGGGGCAGTCAAA  
 GCCAGACCACCTTTACTGCAAGCTAAACCGCAATCGGAACCAGACTACCTCGAAGTTCTGGAAAAACAA  
 ACTGCAATCAGTCAGCT**GTA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001161431  
**Insert Size:** 2541 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_001161431.1</a> , <a href="#">NP_001154903.1</a>
<b>RefSeq Size:</b>	7778 bp
<b>RefSeq ORF:</b>	2541 bp
<b>Locus ID:</b>	245450
<b>UniProt ID:</b>	<a href="#">Q810C0</a>
<b>Cytogenetics:</b>	X A7.1
<b>Gene Summary:</b>	<p>It is involved in synaptogenesis (PubMed:25989451). Promotes excitatory synapse differentiation (By similarity). Suppresses neurite outgrowth (PubMed:14550773). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>