

Product datasheet for **MC222028**

Slitrk4 (NM_178740) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slitrk4 (NM_178740) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slitrk4
Synonyms:	6430513G13; D930039I09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222028 representing NM_178740
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTTCTTTGGCTCTTTCTGATTGTGTCAGCCCTGATTTCTTCTACAAATGCAGATTCTGACATATCAG
 TGGAAATTTGCAATGTGTGTTCCCTGCGTGTGAGTGTGAGTGTGCTCTATGTCAACTGTGAGAAGGTTTC
 AGTCTACAGGCCAAACCAGCTGAAACCCTTGGTCTAATTTCTATCATCTCAATTTCCAAAAACAATTTT
 TAAATATCCTCTATCCAAATACATTCTGTAATTTTCTCATGCAGTATCTCTGCATCTGGGAAATAATA
 AGCTGCAGAACATTGAGGGAGGAGCCTTTCTCGGGCTCAGTGCATTAAGCAGTTGCACTTGAACAACAA
 TGAATTAAGATTCTCCGAGCTGACACTTTCTTGGCATAGAGAAGTGGAGTATCTCCAGGCTGACTAC
 AATTTAATCAAGTATATTGAACGAGGAGCCTTCAATAAGTCCATAAACTGAAAGTTCTCATTCTTAATG
 ACAATCTGATTTTCATTCTTCTGATAATATTTTTCGATTTGCATCTTTAACCCATTTGGATATACGAGG
 AAACAGAATCCAGAACTTCTTATATTGGAGTTCTAGAACACATTGGCCGGGTTGTTGAGTTGCAGCTG
 GAAGATAATCCTTGAAGCTGTAGCTGTGATTTGTTGCCTCTAAAGGCTTGGCTGGAGAATATGCCATATA
 ACATTTACATAGGAGAAGCTATTTGTGAAACTCCCAGTGACTTATATGGAAGGCTTTTAAAGGAAACCAA
 CAAGCAAGAACTATGCCCATGGGTACAGGCAGTGACTTTGACGTACGCATTCTGCCTCCATCTCAGCAG
 GAGAATGGCTTTACTACTCCCAATGGTCACACTACTCAGACAACCTTGCACAGATTAGTGACAAAACCCAC
 CAAAAACAACAAATCCTTCCAAATCTCTGGAATTGTGGCAGGCAAAAGCCCTATCCAACGAGAAATCTCAG
 TCAGATTGTGTCATATCAACAAGAGTGCCCTCTTACACCTTGTCCAGTACCTTGCTTTTGCAAAACA
 CATCCTTCTGATTTGGGATTGAGTGTGAATTGCCAAGAGAAAAATATACAGTCCATGTGAATTGACAC
 CAAAACCTTTGAATGCCAAGAAGTTGCATGTCAATGGTAATAACATCAAAGATGTGGACATTTGAGACTT
 CACTGAGTTTGAGGGGCTGGATTTGCTCCATTTAGGCAGCAATCAGATTACGTTGATCAAAGGAGAAGTA
 TTCACAATCTTACTAATCTGCGCAGGCTTTATCTCAATGGCAATCAGATTGAAAGGCTATACCTGAAA
 TATTTTTCAGGACTTCATAACCTGCAGTATCTTTATTTGGAGTACAACCTGATTAAGGAAATTTAGCAGG
 CACCTTTGACTCCATGCCAAATTTGAGCTACTGTACTTGAACAATAATCTTTAAAAAGCCTGCCAGTT
 TACATCTTTTCTGGAGCACCCTTGCTAGACTGAACTGAGAAACAACAATTCATGTACCTACCTGTCA
 GCGGAGTACTTGCATCAGTTCAGTCTCTTACACAAATTGACTTAGAGGGCAACCTTGGGACTGCACCTG
 CGACTTGGTAGCATTAAAGTTGTGGCTGGAGAAGTTAAATGATGGGATTGTTGTGAAAGAAGTAAATGT
 GAGACTCTGTTCAGTTTCCAACATCGAATTGAAGTCCCTCAAAATGAAATCTTATGCCCTAACTCT
 TAAACAAGCCATCAGCAACATTCACAAGCCTGCGCCTGCAATTACCTTACCCTCCATTGGGTCCCTAT
 TCGAAGTCCCTCTGGGGGCCAGTGCCATTATCTATTTAATCTTAAGTATTCTGGTGGTTCTCATTTTA
 ACTGTCTTTGTTGCATTTTGCCTTCTTGTTTTGTGCTGAGACGTAACAAGAAACCCACAGTGAAGCATG
 AAGGTCTGGGAAATCTGAGTGTGGCTCCATGCAGCTGCAACTAAGGAAACATGACCACAAAACCAATAA
 AAAAGATGGACTGAGCACAGAAGCATTCCACAAACCATCGAACAGATGAGCAAAAGTCACACCTGT
 GGCCTGAAAGAGTCAGAACTGGGTTTATGTTTTCTGATCCTCCGGGACAGAAGGTAATGATGAGAAATG
 CTGCTGACAAGGACAAAGATTTATGATGTGGATACCAGGAAAAGACTGAGCACAATTGACGAGCTGGA
 CGAACTTCCCTAGCAGAGATTCCAATGTGTTTCAATTTCTTGAAGCAAAAAGGAGTATAAC
 AGCATTGGTGTGAGTGGCTTTGAGATTGCTATCCTGAAAAACAACAAGATAAAAAAAAAACAAGAAGTCAC
 TGATAGGTGGTAACCACAGTAAAATTGTTGTTGAACAAAGGAAGAGTGAGTATTTTGAAGTGAAGGCAAA
 ACTTCAGAGTTCCCCGACTACCTACAGGTCCTTGAAGAGCAAACAGCTTTGAACAAGATATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_178740
Insert Size: 2514 bp

OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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_178740.4 , NP_848855.2
RefSeq Size:	3935 bp
RefSeq ORF:	2514 bp
Locus ID:	245446
UniProt ID:	Q810B8
Cytogenetics:	X A7.1
Gene Summary:	It is involved in synaptogenesis and promotes synapse differentiation (By similarity). Suppresses neurite outgrowth (PubMed:14550773).[UniProtKB/Swiss-Prot Function]