

## Product datasheet for **MC220513**

### **Sclt1 (NM\_001081411) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sclt1 (NM_001081411) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sclt1
Synonyms:	2610207F23Rik; 4931421F20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220513 representing NM\_001081411  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCACAGAAATCGACTTACTGAGAGACCAAAAAGATAAACTAAATGATATTCTTAGGCAGCATCAAA  
 TCGAACATATTTTCAGAGACCAACTATGCAGAACAGCATGTCCAAGGAGGCAGAGGTGACACACTAGT  
 AGACTCAATAAATGAGCAAAGTTCTTTACCTCCTCATTGCTGAGTATGAGAAACATCTGGAAGAGCTA  
 AACAGGCAGTGACCTATTACCAGAAGCACATGGGTGAGATGAACTACAACCTGAACTGTCATCACAG  
 AAAATGAAAGGTTGCACAGTAAATAAAAGATGCTGTTGAAAAGCAATTGGAAGCCCTTCCCTTTGGCAC  
 AGGGATAGGAAATGACATCTGTGCAGATGATGAGACCGTGAGGATCCTTCAAGAACAATTGCAACTAGCC  
 AATCAAGAGAAAATTGGGCTCTGGAACCTGGCAGACTGCTTCTCAGGAGTTGCAAAGTGTACAGAAAC  
 TCTATCAGGAGCATATGACTGAAGCCCAGATTCATGAATTTGAAAACCGAAAAGCAAAAAGATCAGCTGAA  
 CAATTTTCAACAATAACCAAGAACTCCATGTTGCTAATGAGAACATAGAAATGACTAACCACCACTTC  
 CTGAAAACAGTAACTGAACAAAACATGGAGATTGAGAACTTCGAAAACATCTTAGGCAAGCCAGATTAG  
 ATCTGAGAGTTGCAATCGAAAAGTGAAGAGTAACTAAAGTGAAGTGAAGGCTTCAAGAGCAGATGCT  
 GAAGAAGGAGGAAGATATTATGTCTGCACAAGGAAAAGAAGCGTCGGATAGACGAGTACAGCAGTTA  
 CAATCTAGTATAAAAACAGTTAGAGTCAAGATTGTGTGTAGCAATTGAAGAAGCCGATGACTAAAAACAG  
 GGAAATCAAAATTTGAAAAGCAAATCAAAGAACTACAAGCAAAATGTAGTGAATCAGAAAATGAGAAATA  
 TGAGGCTATTTCAAGAGCCAGAGATAGCATGCAGCTCTTAGAAGAAGCTAACATTAACAAAAATCAGATT  
 CTCCTTGAAGAGAAAACAAAAGAGGTTGACAGAGAAAAAATGAAGAAAACAATGTCTCAGCTTATACAAG  
 ATGCAGCTATCAAAGCAAGGAAAGAGGTTGAAAGCACAAAAACAATATGAAATTTCTGATTTTCACAATT  
 AAAGGAAGAAGCTCAACCCCTTCAAATGGACTGTGATGAAAAGCAAGGTCAAATTGATCGAGCCATTAGA  
 GGGAAAAGAGCCGTGGAAGAAGAACTGGAGAAGATTTACCGTGAAGGCAAAACAGGATGAAAGTATTACA  
 GAAAATTTGAAGAAATGCATCAAAGATGTCTTGTGCAGAACGTTCAAAAGATGATCTTCAGCTAAGACT  
 CAAGAGTGCAGAAAATAGAATAAAAACAACCTGAAATTAATTCCTCAGAAGAGATGTCACGTTCCCATGAA  
 ATGATCCAGAACTTCAAACGTATTGGAGTCAAGAGGGGAGAACTGTGGCTTTGTCAGCGAGCAGAGGC  
 TGAAGCTTCAGCAGGAAAACGAGCAACTACAGAAGGAGACCGAGGATCTCAGAAAAGTTGCTCTGGAGGC  
 CCAAAAAAAGCAAAATTAAGGTCAGTACAATGGAGCATCAGTTCTCAATTAAGGAGCATGGGTTTGAA  
 GTTCAGCTGAGAGAAATGGAGGACAGTAATCGGAATTCATTGTTGAACTGAGGCATCTTTTGGCAGCTC  
 AACAAAAGACAGCAATAGGTGGAAGAAGAAACCAAGAACTTACTGAAAGTGCAGAAATGAGGATCAG  
 CAGTCTAAAGAGTGAGCTGAGCCGACAGAAGCTTCATACCCAGGAGCTACTTTCTCAACTGGAATGGCA  
 AATGAAAAGGTGGCTGAGAAATGAAAAGTTAATCTGGAACATCAAGAAAAGCAAAACAGACTTCAAAGGC  
 GTCTAAGTCAGGCAGAAGAGAGAGCTGCTTCCAGCGTCCCAGCAGCTCAGTGTGATTACAGTGCAGAGAAG  
 AAAAGCAGCTTCCATGATGAATCTGAAAATATT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001081411
- Insert Size:** 2067 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:**

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\\_001081411.1](#), [NP\\_001074880.1](#)

**RefSeq Size:** 3020 bp

**RefSeq ORF:** 2067 bp

**Locus ID:** 67161

**UniProt ID:** [G5E861](#)

**Cytogenetics:** 3 B

**Gene Summary:** Adapter protein that links SCN10A to clathrin. Regulates SCN10A channel activity, possibly by promoting channel internalization (By similarity).[UniProtKB/Swiss-Prot Function]