

Product datasheet for **MC203215**

Stoml1 (NM_026942) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stoml1 (NM_026942) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stoml1
Synonyms:	1810015E19Rik; AI847431; SLP1; STORP; UNC24; WPB72
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC037074
 CCACGCGTCCGGGGCGTGTCCCGGTTAGAAGTCATGCTTGAAGGTCTGGCTACCGGGCACTGCCCTTAG
 GGGATTTTGTATCGTTTCCAGCAGTCGAGCTTCCGGCTTTCTGGGTTTCGAGAAGGGCTGCTTGTCCCCAGA
 GCCGGGCAGCGTGGGGCCGGGGCCGACGCGCCGAGAGCTGGCCCTCCTGTCTCTGCCATGGCCTCGTC
 AGTGTCTGGGGTCTTGTCTGTCTGTACCTTCCCCATTTCCGGCTGGTTTGTCTGAAGATTGTGC
 CCACCTATGAGAGGATGATTGTGTTTCGACTGGGCCGGATCCGTAACCCCAGGGGCTGGCATGGTTCT
 TCTCCTGCCCTTATTGACTCCTTCCAGAGGGTAGATTTGAGGACCCGAGCCTTCAACGTTCTCCTTGC
 AAGCTGGCCTCTAAGGATGGGGCTGTGCTGTCCGTGGGAGCTGATGTCCAGTTCCGCATCTGGGACCCAG
 TGCTATCCGTGATGGCTGTGAAGGACCTGAACACAGCTACTCGCATGACAGCCCAACGCCATGACTAA
 GGCCCTGCTCAGAAGGCCACTGCAGGAGATCCAGATGGAGAAGCTCAAGATCGGTGACCAGCTCCTGCTG
 GAGATCAATGACGTGACCAGAGCTTGGGGACTGGAGGTCGACCGTGTAGAGCTGGCAGTAGAGGCTGTGT
 TGCAGCCACCGCAAGACAGCCTGACTGTGCCAGCCTGGACAGCACCTCCAACAGCTGGCCCTCCACTT
 GCTAGGGGGAAGTATGAACTCAGCGTTGGACGTGCCATCCCCAGGGCCAGACACCTTGAGATGATA
 AATGAAGTGAACCTCCTGCCTCTTGTGGGGCCGGGGCTGAGCCAGCCGAAGCAGCCGTGGCTG
 AGGGGCTCCTCACAGCCCTGCAACCCTTCTGTGAGAGGACTGGTCAGCCAGGTTGGGGCCTGCTACCA
 GTTCAATGTCATCTTGCCAGTGGCACCAGAGTATCTACTTCCCTGGACCTACTACAGGACAAGGCCGC
 GTGGGACATGGAGAGCCTGATGGCATCCCTGACGTGGTGGTGGAGATGGCTGAAGCAGACTTGCAGGCC
 TGTGAGCAAAGAACTTCGGCCCTTGGGGCCCTACATGAGTGGGCGGCTGAAGGTGAAGGGTGACCTGGC
 CGTGGTCAAGCTGGAGGCTGTACTCAAGGCCCTTGAAGTAGCCGTGTTGGTTGCCATCAGACACCTA
 GCCCTGAACCTGGTGCCAAACCCAGAGAAGCCTCTTGAATAGGAGGCGTTGGTTTGGGCCATGGAAAAC
 GAGGCCTGAAGATGTTTCAGTCCCAACGAGGAGCCCGGAGGCTGGGAGACATCTACTGCTGGTCACAGC
 TGAGTCGGGTGTACCACCCCTTAGCCTGTGGTAGTCCTCTGGACAGGCCTTGTCTGTTCAATCCCCAAC
 AAATGCTTAGTGCTGAGTCGGAACACAGAGTGAAGACAGAGAGCCTGGCCTGCCATCCCAAGCTGATAAC
 CTGACCGACCGGAGAGACGAGAAGCCAGACGCTTCTGAATGGCAGCATGTGAAGGGTCAAAGCACATGG
 ATCATGGCTCTGACATTCAGGGAGATCACAGGGAAGGGAAGGTGAGGAAGGGTGGCCCTCAAAGAAAGGT
 TACTGCAGCTGATCCAGGCGCCCTGCCAGAACAGGCTGGGTGGGGAGGGCATGTGATAGAACAATTTGC
 TTTTCTTATGGTCTGCTCCTGAAGACACCAGGTCCTATCCTCTGGCTCCATCCTGCATGTTAAGGAGC
 TGGGCTCAGGGCAGCATGTGGGAGAGCCCTGCTGTTCCGTGCTTATAGAGGCTTGGAGCCTCCAACAAT
 AAATGTGGCATTATGGTGTGGAAA

Restriction Sites: RsrII-NotI

ACCN: NM_026942

Insert Size: 1200 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: [BC037074](#), [AAH37074](#)

RefSeq Size: 1947 bp

RefSeq ORF: 1200 bp

Locus ID: 69106

UniProt ID: [Q8CI66](#)

Cytogenetics: 9 B

Gene Summary: May play a role in cholesterol transfer to late endosomes (By similarity). May play a role in modulating membrane acid-sensing ion channels. Can specifically inhibit proton-gated current of ASIC1 isoform 1. Can increase inactivation speed of ASIC3. May be involved in regulation of proton sensing in dorsal root ganglions (PubMed:24247984).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the functional protein.