

## Product datasheet for **MG206275**

### Stoml1 (NM\_026942) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Stoml1 (NM\_026942) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Stoml1  
**Synonyms:** 1810015E19Rik; AI847431; SLP1; STORP; UNC24; WPB72  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG206275 representing NM\_026942  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTTGGAAAGTCTGGCTACCGGGCACTGCCCTTAGGGGATTTGATCGTTCCAGCAGTCGAGCTTCG  
GCTTTCTGGGTTTCGAGAAGGGCTGCTTGTCCCCAGAGCCGGGCAGCGTGGGGCCGGGGCCGACGCGCC  
GGAGAGCTGGCCCTCCTGTCTGCCATGGCCTCGTCAGTGTCTGGGGTCTTGCTGCTGCTGCTCACC  
TTCCCCATTTCCGGCTGGTTTGTCTGAAGATTGTGCCACCTATGAGAGGATGATTGTGTTTCGACTGG  
GCCGGATCCGTAACCCCAAGGGCCTGGCATGGTTCTTCTCCTGCCCTTATTGACTCCTCCAGAGGGT  
AGATTTGAGGACCCGAGCCTTCAACGTTCTCCTTGCAAGCTGGCCTCTAAGGATGGGGCTGTGCTGTCG  
GTGGGAGCTGATGTCAGTTCGCATCTGGGACCCAGTGTATCCGTGATGGCTGTGAAGGACCTGAACA  
CAGCTACTCGCATGACAGCCACAACGCCATGACTAAGGCCCTGCTCAGAAGGCCACTGCAGGAGATCCA  
GATGGAGAAGCTCAAGATCGGTGACCAGCTCCTGCTGGAGATCAATGACGTGACCAGAGCTTGGGGACTG  
GAGGTCGACCGTGTAGAGCTGGCAGTAGAGGCTGTGTTGCAGCCACCGAAGACAGCCTGACTGTGCCCA  
GCCTGGACAGCACCTCCAACAGCTGGCCCTCCACTTGCTAGGGGGAAGTATGAAGTGAACCTCCTGCCTCTTGTGG  
GCCGGGCTGAGCCAGCCGAAGCAGCCGCTGGCTGAGGGGCTCCTCACAGCCGCAACCTTCCCTGT  
CAGAGGCACTGGTCAGCCAGTTGGGGCCTGCTACCAGTTCAATGTCATCTTGCCAGTGGCACCCAGAG  
TATCTACTTCTGGACCTTACTACAGGACAAGGCCGCTGGGACATGGAGAGCCTGATGGCATCCCTGAC  
GTGGTGGTGGAGATGGCTGAAGCAGACTTGACGGCCTTGTGAGCAAAGAATTCGGCCCTTGGGGCCCT  
ACATGAGTGGGCGGTGAAGGTGAAGGGTGACCTGGCCGTGGTCATGAAGCTGGAGGCTGTACTCAAGGC  
CTTGAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206275 representing NM\_026942  
 Red=Cloning site Green=Tags(s)

MLGRSGYRALPLGDFDRFQQSSFGLGSQKGLSPEPGSVGPGADAPESWPSCLCHGLVSVLGFLLLLLL  
 FPISGWFALKIVPTYERMIVFRLGRIRNPQGGMVLLLPFIDSFQRVDLRTRAFNVPPCKLASKDGAVLS  
 VGADVQFRIWDPVLSVMAVKDLNATRMTAHNAMTKALLRRPLQEIQMEKLIKIGDQLLEINDVTRAWGL  
 EVDRVELAVEAVLQPPQDSLTVPSLDSTLQQLALHLLGGSMNSAVGRVPSPGDPTLEMINEVEPPASLAG  
 AGAEPSPKQPVAEGLLTALQPFLSEALVSQVGCYQFNVILPSGTQSIYFLDLTTGQGRVGHGEPDGIPD  
 VVEMAEADLQALLSKELRPLGAYMSGRLKVKGDLAVVMKLEAVLKALK

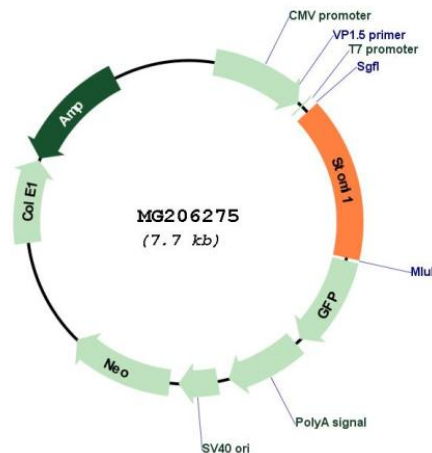
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_026942

<b>ORF Size:</b>	1197 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_026942.2</a> , <a href="#">NP_081218.2</a>
<b>RefSeq Size:</b>	1954 bp
<b>RefSeq ORF:</b>	1200 bp
<b>Locus ID:</b>	69106
<b>UniProt ID:</b>	<a href="#">Q8CI66</a>
<b>Cytogenetics:</b>	9 B
<b>Gene Summary:</b>	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]