

## Product datasheet for **MG221742**

### Slc35b3 (NM\_001170431) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Slc35b3 (NM\_001170431) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Slc35b3  
**Synonyms:** 4921526O06Rik; AI428480; CGI-19; PABST2; PAPST2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG221742 representing NM\_001170431  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGGACAGGACCCTTGCTCAGAGCACGCAGGAGCAGGGTGGAGAGGCCAGCCAGCAGAGAAGAAAGACAGG  
 ACGAAGCATCCGAAAAGAGCAGAGACCAAGTTGCAGGCCCTTGACTGTGGCAGAGCAGAAACAATGGACCT  
 CAAGTTCAACAACCTCCAGGAAGTATGTCTCCATCTCAGTGCCTCCAAAACGCAGGCCATGTCGCCGCAC  
 ATCAAGTCAGTTGAGGACGTCGTGGTGTGGCGTGAACCTCAGCAAGTTTAGCAAGCTCACACAGTTTC  
 TCATCTGTGTGGCTGGAGTTTTTGTATTTTACCTAATTTATGGATACTTACAGGAGCTGATCTTTTCAGT  
 GGAAGGCTTTAAGCCTTACGGCTGGTACCTTACCTTAGTGCAGTTTGCCTTTTACTCCGATTTTGGCCTA  
 ATCGAGCTACAGCTCACTCAGGACAGAAGGAGAAGAATACCAGGAAAAACCTACATGCTAATAGCTTTTC  
 TAACTGTGGGTACTATGGGCTTATCAAACACTTCTTGGGCTACCTGAATTACCCAAACCAAGTCATCTT  
 CAAGTGTGCAAACCTGATTCCTGTTATGCTAGGAGGAGTTTTTATTCAAGGAAAGCGGTACAACCTTGCA  
 GATGTGTCTGCCGAGTGTGCATGAGCCTGGCCCTGATCTGGTTTACCCTCGCTGACAGCACAATTGCAC  
 CAAACTTTAATCTGACAGGTGTGATGCTTATCTCCCTGGCGCTGTGTGCAGACGCTGTATTGGGAACGT  
 TCAGGAGAAGGCCATGAAACTGCACAATGCTTCCAACCTCGGAGATGGTTTTGTATTCTACTCAATCGGG  
 TTTGTGTACATTTTGTGGGACTGTCTGCATGCACTAGTGGACTGGCCCTGCAGTGGCATTTTGTTCAAAGA  
 ACCCTGTTGGGACTTACGGCTACGCTTCTGTTTTCCCTCACTGGATACTTTGGGATCTCCTTTGTTCT  
 GGCCCTCATTAAAATCTTGGTGCACCTTCTGGCTGTAACAGTGACAACAGGAAGGAAAGCAATGACCCTT  
 GTCCTGCTTCTGTTCTTTGCTAAGCCGTTCACTTTTCAGTATATATGGTCTGGCTTGTAGTTGTCC  
 TTGGCATATTTCTCAATGTTTACAGCAAAAATATGGATAAAAATAAGATTGCCATCGGTGTACAACATGAT  
 AAAGAAAGCCATGGACATGAAAAAGTCAAGGACGTTGGCACAGACTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG221742 representing NM\_001170431  
 Red=Cloning site Green=Tags(s)

MDRTLQSTQEQQGGEAQAEEERQDEASEKSRDQVAGLDCGRAETMDLKFNNRSRKYVSI SVPSKTQAMSPH  
 IKSVEDVVVLGVNLSKF SKLTQFLICVAGVVFVYLIYGYLQELIFSVGEFKPYGWYLTLVQFAFYSVFG  
 IELQLTQDRRRRIPGKTYMLIAFLT VGTMGLSNTSLGYLNYPTQVIFKCKLIPVMLGGVF IQGKRYNLA  
 DVSAAVCMSLGLIWFTLADSTIAPNFNLTGVMLISLALCADAVIGNVQEKAMKLNHNASNSEMVLYSYSIG  
 FVYILLGLSCTSLGPAVAFCSKNPVGTYGYAFLFSLTGYFGISFVLALIKIFGALLAVTVTTGRKAMTV  
 VLSFLFFAKPFTFYIWSGLLVLGI FLNVYSKNMDKIRLPSVYNMIKKAMD MKKSR TLAQT V

TRTRPLE - GFP Tag - V

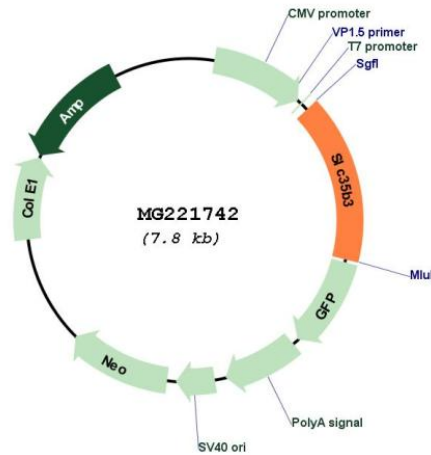
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001170431

<b>ORF Size:</b>	1239 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_001170431.1</a> , <a href="#">NP_001163902.1</a>
<b>RefSeq Size:</b>	2086 bp
<b>RefSeq ORF:</b>	1242 bp
<b>Locus ID:</b>	108652
<b>UniProt ID:</b>	<a href="#">Q922Q5</a>
<b>Cytogenetics:</b>	13 A3.3
<b>Gene Summary:</b>	Mediates the transport of adenosine 3'-phospho 5'-phosphosulfate (PAPS), from cytosol into Golgi. PAPS is a universal sulfuryl donor for sulfation events that take place in the Golgi. Compensates for the insufficient expression of SLC35B2/PAPST1 during the synthesis of sulfated glycoconjugates in the colon (By similarity).[UniProtKB/Swiss-Prot Function]