

## Product datasheet for **MG220738**

### Slc35f3 (NM\_175434) Mouse Tagged ORF Clone

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                         |
| Product Name:             | Slc35f3 (NM_175434) Mouse Tagged ORF Clone                                  |
| Tag:                      | TurboGFP                                                                    |
| Symbol:                   | Slc35f3                                                                     |
| Synonyms:                 | B230375D17Rik                                                               |
| Mammalian Cell Selection: | Neomycin                                                                    |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                                     |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                      |
| ORF Nucleotide Sequence:  | >MG220738 representing NM_175434<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGAAGAAGCACTCGGCCAGGGTGGCCCCGCTCAGCGCCTGCAACAGTCCGGTCTGACCCTCACCAAAG  
 TGGAAAGGGAGGAGCGCCCCGGGAGCCCCGGGCCCTGCAGAGGCCAGGCGCCAGCTGGGACAGAGGC  
 TGGTGGGAGGACAAGCCGGCACAACCTGGACATGTTCTCAGGAGCGGCTCAAGAAGGTCTTCTGGGGTGTG  
 GCTGTCGTGTTCTGCGTGTGCGCCTCCTGGGCCGGCTCCACGCAGCTCGCCAGGCTGACTTCAAGACCT  
 TCGACGCACCGTTACCCCTGACGTGGTTTGCCACCAACTGGAACCTTCTGTTCTTCCATTGTACTACGC  
 AGGACATGTGTGCAATCCACAGAGAAGCAGTCTATGAAACAGAGATACAGGGAATGCTGTCTGGTTCTTT  
 GGAGACAATGGCTTGACTCTGAAAGTGTTCTTTACCAAGGCAGCACCTTTTGGTGTCTTTGGACTCTCA  
 CAACTACCTGTACTTACACGCAATAAAGAAGATAAACGCCACAGACGTCTCCGTCTGTCTGTGCAAA  
 CAAATCATTTGTTTTCTTGCTGTCGTGGATTGTTCTCAGGGACAGATTTCATGGGAGTGAGGATCGTGGCC  
 GCCATCCTTGCCATCGTGGCATTGTATGATGACCTATGCCGATGGCTTCCACAGTCACTCAGTCATTG  
 GCATAGCCCTGGTGGTGGGCTCTGCTTCCATGTCAGCCCTTTACAAGTTCTGTTCAAGCTGCTGCTGGG  
 CAGCGCCAAGTTCGGAGAAGCGGCCTTATCCTGTCCATCTTGGGTGTGTTCAACATCCTCTTCATCACC  
 TGCATCCCCGTATCCTCTATTTACCAAGGGTGGAGTACTGGAACCTCTCGACGACATTCCATGGGGAA  
 ACCTCTGTGGTTTTCCATTCTCTTATTGACATTCAATATTGTATTAATTTTGGAAATTGCTGTACGTA  
 TCCACGCTGATGTCCTTGGAATTGCTCTCAGTGACCTGTAATGCAGTGGTGCATCACTACACCAGT  
 CAGATAGTCTTCAACGGGGTCCGGGTCAATCGCCATCATCATTATCGGCCTGGGCTTCTCCTCTGCTCC  
 TTCCAGAAGAGTGGGATGTCTGGTTGATCAAGTTGCTCAGCCGCTCAAAGTGAGGAAGAAGGAGGAGAC  
 AGCAGAGAGCAGCGGGGACTTGGGCACGGGTCCCAGAGCAGGAGCAGAAGAGCCCGCCATCCTTCGCT  
 CGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG220738 representing NM\_175434  
 Red=Cloning site Green=Tags(s)

MKKHSARVAPLSACNSPVLTLTKVEGEERPREPPGPAEAQAPAGTEAGGRTSRHNWTC SQERLKKVFWGV  
 AVVFCVCASWAGSTQLARLTFKTFDAPFTLTWTFATNWNFLFFPLYAGHVCKSTEKQSMKQRYRECCRFF  
 GDNGLTLKVFFTKAAPFGVLWLTNLYLHAIKKINATDVSFLCCNKSFVLLSWIVLRDRFMGVRIVA  
 AILAIAGIVMMTYADGFHSHSVIGIALVVGASMSALYKVLFKLLLSAKFGAALFLSILGVFNILFIT  
 CIPVILYFTRVEYWNSFDDIPWGNLCGFSILLTLTFNIVLNFGIAVTYPTLMSLGIVLSVPVNAVVDHYTS  
 QIVFNGVRVIAIIIGLGFLLLLLPEEWDVWLKLLTRLKVRKKEETAESSGDLGTGPQSRSRRRARPSFA  
 R

TRTRPLE – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_175434

**ORF Size:** 1263 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_175434.3](#), [NP\\_780643.2](#)

**RefSeq Size:** 2784 bp

**RefSeq ORF:** 1266 bp

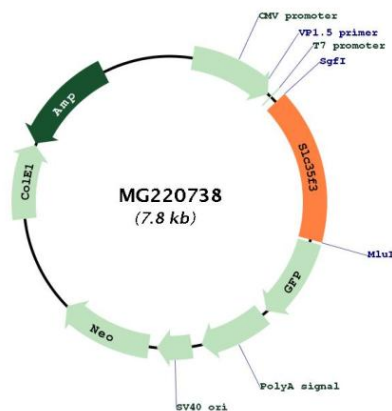
**Locus ID:** 210027

**UniProt ID:** [Q1LZI2](#)

**Cytogenetics:** 8 E2

**Gene Summary:** May be a thiamine transporter.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MG220738