

Product datasheet for **MG205597**

Slc35c2 (NM_144893) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Slc35c2 (NM_144893) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Slc35c2 |
| Synonyms: | C85957; CGI-15; D2Wsu58e; Ovcov1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG205597 representing NM_144893 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGGGAGGTGGGCCCTGGACGTCGCCTTTGTGTGGAAGGCAGCTCTGACCCTGGGCCTGGTCTTCTAT
ACTACTGCTTCTCCATAGGCATCACGTTCTACAACAAATGGCTGACAAAGAGCTTCCACTTTCGGCTCTT
CATGACCATGCTGCACCTGGCCGTCATCTTCTCTTCCGCCCTGTCCAGGGCACTGGTCAATGCTCC
AGCCACAAGCCCGGGTGGTGTGAGCTGGACGGACTACCTCAGAAGAGTGGCCCCACAGCACTGGCAA
CAGCACTTGACGTGGGCCTGTCCAAGTGGAGCTTCTCTACATCACTGTGTCCCTGTACAGGATGACCAA
ATCCTCTGCTGTGCTCTTATCCTGATTTCTCTCTCATCTTCAAGCTGGAGGAAGTGCCTGCAGCCCTG
GTCCTGGTGGTCTGCTCATTGCTGGGGCCTCTTCATGTTTACCTATAAGTCCACGCAGTTCATGTGG
AGGGCTTTGCCTTGGTGTGGGGCTTCGTTTCATCGGTGGCATCCGCTGGACCCTTACACAAATACTCCT
GCAGAAAGCCGATCTTGGCCTCCAGAAATCCCATTTGACACCATGTTCCACCTGCAGCCACTCATGTTTCTG
GGCCTCTTCCCTCTTTTGCATATTCGAAGGTCTCCACTGTCCACCTCTGAGAAGATCTTCCGCTTCC
AGGACACAGGGTGTCTCTGTGGTGTCTGGGAGCCTCCTCCTCGGTGGGATTCTGGCCTCGGTTTGGG
CTTCTCCGAGTTCCTCCTGGTCTCCAGAAGCTCAAGCCTCACACTCTCCATCGTGGCATCTTTAAGGAA
GTCTGCACCCTGCTGTTGGCAGCTCACCTGTGGGCGACCAGATCAGCCTCCTGAAGTGGTGGGCTTTG
CCCTCTGCCTCTCTGGCATCTCCCTGCATGTGGCCCTCAAGGCTCTACATTCCAGAGGTGATGGTGGCC
CAAGCCCCGAAGAGCCTGGGCTCCAGCGCTGACCTGGAAGTGTCTCCGGAGTAGCCAGCAGGAGGAA
GAGGACGGGAAGAGGAATATTTTGTGACCCAGGGACAACAG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205597 representing NM_144893
 Red=Cloning site Green=Tags(s)

MGRWALDVAFVWKAALTLGLVLLYYCFSIGITFYNKWLTKSFHFPLFMTMLHLAVIFLFSALSRALVQCS
 SHKARVLSWTDYLRRVAPTALATALDVGLSNWSFLYITVSLYMTKSSAVLFILIFSLIFKLEELRAAL
 VLVVLLIAGGLFMFTYKSTQFNVEGFALVLGASFIGGIRWTLTQILLQKADLGLQNPIDTMFHLQPLMFL
 GLFPLFAIFEGHLSTSEKIFRFQDTGLLLWVLGSLLLGGILAFGLGFSEFLLVSRSSLTLSIAGIFKE
 VCTLLLAHLLGDQISLLNWLGFALCLSGISLHVALKALHSRGGGPKPLKSLGSSADLELLLRSSQEE
 EDGEEEFVVTQGQQ

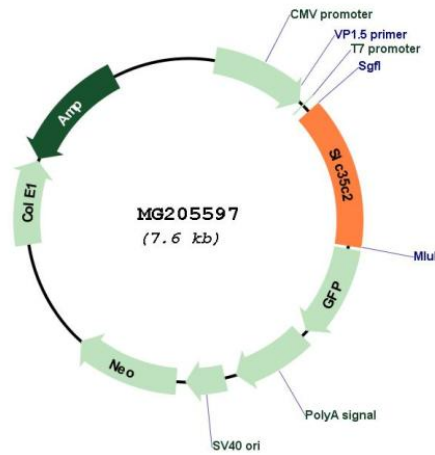
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_144893

| | |
|-------------------------------|---|
| ORF Size: | 1092 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: | <ol style="list-style-type: none">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_144893.2 |
| RefSeq Size: | 1889 bp |
| RefSeq ORF: | 1095 bp |
| Locus ID: | 228875 |
| UniProt ID: | Q8VCX2 |
| Cytogenetics: | 2 85.53 cM |
| Gene Summary: | May play an important role in the cellular response to tissue hypoxia. May be either a GDP-fucose transporter that competes with SLC35C1 for GDP-fucose, or a factor that otherwise enhances the fucosylation of Notch and is required for optimal Notch signaling in mammalian cells (By similarity).[UniProtKB/Swiss-Prot Function] |