

Product datasheet for **MC227293**

Slc35c2 (NM_001252574) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc35c2 (NM_001252574) Mouse Untagged Clone
Tag: Tag Free
Symbol: Slc35c2
Synonyms: C85957; CGI-15; D2Wsu58e; Ovcov1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227293 representing NM_001252574
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGAGGTGGGCCCTGGACGTCGCCTTTGTGTGGAAGGCAGCTCTGACCCCTGGGCCTGGTCTTCTAT
ACTACTGCTTCTCCATAGGCATCAGTTCTACAACAAATGGCTGACAAAGAGCTTCCACTTCCGCTCTT
CATGACCATGCTGCACCTGGCCGTCATCTTCTCTTCTCCGCCCTGTCCAGGGCACTGGTTCAATGCTCC
AGCCACAAGGCCCGGGTGGTGTGCTGAGCTGGACGACTACCTCAGAAGAGTGGCCCCACAGCACTGGCAA
CAGCACTTGACGTGGGCCTGTCCAAGTGGAGCTTCTCTACATCACTGTGTCCCTGTACACGATGACCAA
ATCCTCTGCTGTGCTCTTTATCCTGATTTTCTCTCTCATCTTCAAGCTGGAGAACTGCGTGCAGCCCTG
GTCCTGGTGGTCTGCTCATTGCTGGGGCCTCTCATGTTTACCTATAAGTCCACGCAGTTCAATGTGG
AGGGCTTTGCCTTGGTGTGGGGCTTCGTTTCATCGGTGGCATCCGCTGGACCCTTACACAAATACTCCT
GCAGAAAGCCGATCTTGGCCTCCAGAATCCATTGACACCATGTTCCACCTGCAGCCACTCATGTTTCTG
GGCCTCTCCCTCTCTTTGCCATATTCGAAGTCTCCACTGTCCACCTCTGAGAAGATCTCCGCTTCC
AGGACACAGGGCTGCTCCTGTGGGTGCTTGGGAGCCTCCTCGTGGGATTCTGGCCTTCGGTTTGGG
CTTCTCCGAGTTCTCCTGGTCTCCAGAAGTCAAGCCTCACACTCTCCATCGCTGGCATCTTTAAGGAA
GTCTGCACCTGTGTTGGCAGCTCACCTGCTGGGCGACCAGATCAGCCTCCTGAACTGGCTGGGCTTTG
CCCTCTGCCTCTCTGGCATCTCCCTGCATGTGGCCCTCAAGGCTCTACATTCCAGAGGTGATGGTGGCC
CAAGCCCCTGAAGAGCCTGGGCTCCAGCGCTGACCTGGAAGTCTGCTCCGGAGTAGCCAGCAGGAGGAA
GAGGACGGGAAGAGGAATATTTTGTGACCCAGGGACAACAGTGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001252574



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Insert Size:	1095 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001252574.1, NP_001239503.1</u>
RefSeq Size:	1990 bp
RefSeq ORF:	1095 bp
Locus ID:	228875
UniProt ID:	<u>Q8VCX2</u>
Cytogenetics:	2 85.53 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the 5' UTR compared to variant 1. Variants 1, 2, 3, 5, and 6 all encode the same isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>