

Product datasheet for **MC211074**

Slc35d2 (NM_001001321) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc35d2 (NM_001001321) Mouse Untagged Clone
Tag: Tag Free
Symbol: Slc35d2
Synonyms: 5730408I21Rik; hfrc; mUGTrel8; SQV7L; UGTrel8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211074 representing NM_001001321
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGAGCCCAACGCGGCGCGTGGCCCTCTCGCTGGCCAGGCTGCTGTCGGCGCTCTTCTATGGCA
CATGCTCCTTCTCATCGTGGTCAACAAGGCGCTGCTGACCACATACGGTTTTCCCTACCAATTGT
ACTTGGAAATGGACAGATGGCTACCACCATAATGATATTGTATGTGTTCAAGCTAAATAAATAATCCAT
TCCCTGATTTTGACAAGAAAATTCCTGGAAAGCTGTTCCCTCTGCCCTTCTCTACGTTGGAAACCACA
TAAGTGGCTTATCAAGCAAGTAAATTAAGCTTGCCGATGTTACCCGTGCTCAGGAAGTTTACGATTCC
ATTCACTTTACTCCTGGAGGCTATCATACTTGGGACACAATTCATTGAACATCATCTCAGCGCTTGG
GCCATCGTTCTGGGGCGTTCAAGCAGCTGGCTGACCTCACATTCAACTGGAAGGCTACATTTTTG
TATTCTTGAATGATATCTTACCAGCGCAAATGGAGTTTATACCAACAGAAAATGGACCCGAAGGAGCT
GGGAAATATGGAGTGCTTTTCTATAATGCCTGCTTATGCTCATCCCACTGTCATTATTAGCGTCTCT
ACTGGAGACTTTCAGCAGGCCACTGAATTCAGACACTGGAAGAATGTCTTATTTATCATAAGTTTCTCC
TTTCTGTCTTTTGGGGTTTCTCCTGATGTACTCCACAGCTCTTTCAGTTATTACAACACTCAGCTGAC
CACAGCGTGGTTGGAGCGATCAAGAATGTATCGGTTGCCTACATTGGGATGTTGGTTGGTGGAGACTAC
ATTTTCTCCCTCTTAACTTTATAGGGTTAAATATTTGCATGGCAGGTGGTTAAGATATTCCTTTTTAA
CACTCAGCAGCCAGTTGAAACCTAAACAACCTGTGGATGAAGAAAGCATCCCTCTGGATCTGAAGAGCTA
G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001001321



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Insert Size:	981 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).
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_001001321.3</u> , <u>NP_001001321.2</u>
RefSeq Size:	2276 bp
RefSeq ORF:	981 bp
Locus ID:	70484
UniProt ID:	<u>Q762D5</u>
Cytogenetics:	13 B3
Gene Summary:	Antiporter transporting nucleotide sugars such as UDP-N-acetylglucosamine (UDP-GlcNAc), UDP-glucose (UDP-Glc) and GDP-mannose (GDP-Man) pooled in the cytosol into the lumen of the Golgi in exchange for the corresponding nucleosides monophosphates (UMP for UDP-sugars and GMP for GDP-sugars). May take part in heparan sulfate synthesis by supplying UDP-Glc-NAc, the donor substrate, and thus be involved in growth factor signaling (By similarity).[UniProtKB/Swiss-Prot Function]