

Product datasheet for **SC335916**

SLC35A2 (NM_001282650) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | SLC35A2 (NM_001282650) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SLC35A2 |
| Synonyms: | CDG2M; CDGX; UDP-Gal-Tr; UGALT; UGAT; UGT; UGT1; UGT2; UGTL |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC335916 representing NM_001282650. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGCAGCGGTTGGGGCTGGTGGTTCCACCGCGCGCCGGGCCAGGGCGGTTTCCGCGGGTGCATTG
 GAGCCGGGACCGCCAGTGCAGGTGAGACAGTCTGCCGAGCAGTCGCATGGGAGGCGGAGCTCACAGG
 CGCCTGAAGTACATATCCCTAGCTGTGCTGGTGGTCCAGAATGCCTCCCTCATCTCAGCATCCGCTAC
 GCGCGCACGTTGCCAGGGGACCGCTTCTTCCACCACTGCTGTGGTCATGGCGGAAGTGCTCAAAGGT
 CTCACCTGCCTGCTGCTCTTCGCACAGAAGAGGGTAACGTGAAGCACCTGGTTCTCTCTCCAT
 GAGGCTGTCCTGGTGCAGTATGTGGACAGCTCAAGCTCGCAGTGCCTCTCTCATCTACACCTTGCA
 AATAACCTCCAGTATGTTGCCATCTCTAACCTACCAGCTGCCACTTTCAGGTGACATACCAGCTGAAG
 ATCCTGACCACAGCGCTGTTCTCCGTGCTCATGCTGAATCGCAGCCTTTCGGGCTGCAGTGGGCTCC
 CTGCTGCTCCTCTTCACTGGCGTCGCCATTGTCCAGGCACAGCAAGCCGGTGGGGAGGCCACGGCCA
 CTGGATCAGAACCCTGGGGCAGGCTGGCAGCCGTCTGGGCTCCTGTCTCTCTCCGGCTTCGCAAGT
 GTCTACTTTGAGAAGATCCTCAAAGGCAGCTCAGGCTCCGTGTGGCTGCGCAACCTGCAACTGGGCTC
 TTCGGCACAGCACTGGGCTGGTGGGCTCTGGTGGGCTGAGGGTACCGCGTGGCCACCGTGGTTTC
 TTTTGGGTACACACCTGCTGTCTGGGCGTGGTGTCAACCAAGGCTTCGGCGGGCTACTGGTGGCT
 GTGGTTGTCAAGTACGCTGACAATATCTCAAGGCTTTGCCACCTCCCTGTCCATTGTGCTGTCCACT
 GTTGCTCCATTGCGCTCTTGGCTTCCAGTGGACCCATTATTTGCCCTTGGCGCTGGACTCGTCATT
 GGTGCTGTCTACCTCTACAGCCTTCCCCGAGGTGCAGCCAAAGCCATAGCCTCTGCCTCTGCCTCCGCC
 TCCGGGCTGCGTTACAGCAGCCTCCGGGCGCCACCACCACCGCAGCTGTCTCCACCGTGGGA
 GACCTCATCAGGAGCCCTTCTGCCAAAGTCAGTGTGGTGAAG**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI


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|-------------------------------|---|
| ACCN: | NM_001282650 |
| Insert Size: | 1221 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_001282650.1</u> |
| RefSeq Size: | 2658 bp |
| RefSeq ORF: | 1221 bp |
| Locus ID: | 7355 |
| UniProt ID: | <u>P78381</u> |
| Cytogenetics: | Xp11.23 |
| Protein Families: | Transmembrane |
| MW: | 42.2 kDa |
| Gene Summary: | <p>This gene encodes a member of the nucleotide-sugar transporter family. The encoded protein is a multi-pass membrane protein. It transports UDP-galactose from the cytosol into Golgi vesicles, where it serves as a glycosyl donor for the generation of glycans. Mutations in this gene cause congenital disorder of glycosylation type II_m (CDG2M). Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Oct 2014]</p> <p>Transcript Variant: This variant (7) uses an alternate in-frame splice site in the 5' coding region and differs in the 3' exon structure, compared to variant 1. The encoded isoform (g) is longer and has a distinct C-terminus, compared to isoform a.</p> |