

Product datasheet for **SC108555**

SLC35A2 (NM_005660) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35A2 (NM_005660) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC35A2
Synonyms:	CDG2M; CDGX; UDP-Gal-Tr; UGALT; UGAT; UGT; UGT1; UGT2; UGTL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005660, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGCGGTTGGGGCTGGTGGTTCCACCGCGGCGCCGGGCCAGGGGCGGTTTCCGCGGGTGCATTGG
AGCCGGGGACCGCAGTGC GGCTCACAGGCGCCTGAAGTACATATCCCTAGCTGTGCTGGTGGTCCAGAA
TGCCTCCCTCATCCTCAGCATCCGCTACGCCCACGTTGCCAGGGGACCGCTTCTTTGCCACCACTGCT
GTGGTCATGGCGGAAGTGCTCAAAGGTCTCACCTGCCTGCTGCTCTTCGCACAGAAGAGGGGTAACG
TGAAGCACCTGGTTCTCTCCTCCATGAGGCTGCCTGGTGCAGTATGTGGACACGCTCAAGCTCGCAGT
GCCCTCTCTCATCTACACCTTGAGAATAACCTCCAGTATGTTGCCATCTCTAACCTACCAGCTGCCACT
TTCCAGGTGACATACCAGCTGAAGATCCTGACCACAGCGCTGTTCTCCGTGCTCATGCTGAATCGCAGCC
TTTCCCGGCTGCAGTGGGCCTCCCTGCTGCTCCTTCACTGGCGTCGCCATTGTCCAGGCACAGCAAGC
CGGTGGGGGAGGCCACGGCCACTGGATCAGAACCCTGGGGCAGGCCGTCAGCCGTCGTGGCCTCCTGT
CTCTCCTCCGGCTTCGCAGGTGTCTACTTTGAGAAGATCCTCAAAGGCAGCTCAGGCTCCGTGTGGCTGC
GCAACCTGCAACTGGGCCTTTCGGCACAGCACTGGGCCTGGTGGGGCTCTGGTGGGCTGAGGGTACCGC
CGTGGCCACCCGTGGTTTCTTTTTGGGTACACACCTGCTGTCTGGGGCTGGTGTCAACCAGGCCTTC
GGCGGGCTACTGGTGGCTGTGGTTGTCAAGTACGCTGACAATATCCTCAAGGGCTTTGCCACCTCCCTGT
CCATTGTGCTGTCCACTGTTGCCTCCATTCCGCTCTTTGGCTTCCACGTGGACCCATTATTTGCCCTTG
CGCTGGACTCGTATTGGTGTCTACCTCTACAGCCTTCCCCGAGGTGCAGCCAAAGCCATAGCCTCT
GCCTTGCTCCGCTCCGGCCCTCGGTCCTGCTTACCAGCAGCCTCCCGGGCAGCCACCACCACCGCAGCTGT
CTTCCACCGTGGAGACCTCATCACGGAGCCCTTCTGCCAAAGTTGCTCACCAAGGTGAAGGGTTCCTA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005660 unedited NCCCGTTCANCTTTTGTAAACGACTCATCATAGGCGGCCGNAATTCGCACCAGGTTG GGGCTGGTGGTTCCACCGCGGCCCGGGCCAGGGCGGTTTCCGCGGGTGCATTGGAGC CGGGGACCGCCAGTGGCGCTCACAGGCGCTGAAGTACATATCCCTAGCTGTGCTGGTGG TCCAGAATGCCTCCCTCATCCTCAGCATCCGCTACGCCCGCACGTTGCCAGGGGACCGCT TCTTTGCCACCACTGCTGTGGTCATGGCGGAAGTGCTCAAAGGTCTCACCTGCCTGCTGC TGCTCTTCGCACAGAATAAGGGTAACGTGAAGCACCTGGTTCTCTTCCATGANGCTG TCCTGGTGCAGTATGTGGACACGCTCAAGCTCGCAGTGCCTCTCTCATCTACACCTTGC AGAATAACCTNACGATATGGTGCCATCTCTTACCTACCAACTGCCACTTTGCAAGTGACAT ACCAGCTGAAGATCCTTGACACAGCGCTGNTCTTCGTGCTCATGCTGAATCGCANCCCTT CCCGGTGCAGTGGGCTCCTGTGCTNCTTCTACTGGCGGTTGCCTTCCAGCAGCAGCA GCCCGTGGGGGAAGGCCAGGGCACTGGATCAAACCCTGGGGCAGGCTGGCANCCGTGGG GCTTCTGCTCTTTCGCTCGCAAGGTCTACCTGAAAANAACCCTCAAGCAAGTCAGCTT CCGTGGTGCACCACTGCACTGGGCTCTTCGACACACTGGCCTGGTGGTCTGTGGCT GAGGTACCGCTGCCACCGTGGTTCTTTTGGTACCCTGCTGCTGGGGCGGTGCTAAC AGCCTCGGGCTATGGGGCTGGGTTGTGACACCTACATATCTCAGGCTTGCACTCTGTCAT GGGGNCCTGTGCTCTCGCT
Restriction Sites:	NotI-NotI
ACCN:	NM_005660
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_005660.1</u> , <u>NP_005651.1</u>
RefSeq Size:	1451 bp
RefSeq ORF:	1191 bp
Locus ID:	7355
UniProt ID:	<u>P78381</u>
Cytogenetics:	Xp11.23
Protein Families:	Transmembrane

Gene Summary:

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]

Transcript Variant: This variant (1, also known as UGT2) encodes isoform a.