

Product datasheet for **SC323986**

SLC35A2 (NM_001032289) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35A2 (NM_001032289) 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-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001032289.1
 CGGGCCGGGCAGATGCCAACATGGCAGCGGTTGGGGCTGGTGGTCCACCGCGGCAGCCG
 GGCCAGGGGGCGGTTTCCGCGGGTGCATTGGAGCCGGGACCGCCAGTGCAGGCTCACAGGC
 GCCTGAAGTACATATCCCTAGCTGTGCTGGTGGTCCAGAATGCCTCCCTCATCTCAGCA
 TCCGCTACGCCCGCACGTTGCCAGGGGACCGCTTCTTTGCCACCACTGCTGTGGTCATGG
 CGGAAGTGCTCAAAGGTCTCACCTGCCTGCTGCTCTTCGCACAGAAGAGGGGTAACG
 TGAAGCACCTGGTCTCTTCCATGAGGCTGTCTGGTGCAGTATGTGGACACGCTCA
 AGCTCGCAGTGCCTCTCTCATCTACACCTTGCAAGAAACCTCCAGTATGTTGCCATCT
 CTAACCTACCAGCTGCCACTTCCAGCCTTCCCGAGGTGCAGCCAAAGCCATAGCCTCT
 GCCTCTGCCTCCGCTCCGGGCCCTGCGTTCACCAGCAGCCTCCCGGGCAGCCACCACCA
 CCGCAGCTGTCTCCACCGTGGAGACCTCATCACGGAGCCCTTCTGCCAAAGTCAGTG
 CTGGTGAAGTGAGGGCTGGCAGCAATGGGGGGACACAAGGGAGGGGGACTGGGTGGAGG
 GTGTTGGGCATCTGCAGGACCAAGTCGCCACCCTCCGGGGCCTGGCTCCTCTGGGTTTG
 GGAGATGGTCTTTCTCCAGGTCAGTACTGAGACTTCTGGAGGGGTGTGGGACTAGAGCTGG
 GTGTCACGTGAACCTTCTGGTAGGGTGACCCCTTCCCTGGAGGGGGTTTTAGAGCT
 GCCGCCTCTGCTCCCTAACCTTTGGAGGCAGGGTTGGGGATTGTATTCAAGGC
 CTTTTTTTTGTCTGCTCCCTCCCGACCCTGTGCCTCTTCTGGAGGTTTCTCGTCTGGG
 AGAGTCCCTCCAGCAGTCCCTCCACTCCATAAGGACACACTGGACAAAACCTCCCGCAG
 CTCTTCAGGAATGACCGATGCCTACCTGTGGGGTTCAGTTGCCCATAGTTTGAGGCCTTC
 TCTCTCCCTTACCACCGCTCTGGATCATGTTACTAGTCCGCTTTTGTGTGGCCTTGG
 GCCAGCTTCTTGATACCTTGAAGATGGGCTCCTGTGAGTCCCAGGGAGAAAGGGACA
 AGAGTAAGATTTTTGCATCAGCCCTTCTGGCAGAAGGTGGTAGGGGCCATTTGTTTT
 TTTTAGTGGACTTGGGATTTGTGGTGAATCATATCATTAAATGATCCAGGGTGTGGGAAA
 AATGGAGTCCCTTGAAGTGGCTGAATCTCATTGTATTTAAGACACTGTCAGTTGCCAGAT
 GTAGGCTTATTTTTGGAGATGTCTAGGAGAGGAAAAAGCTACCAATCATACTCTTGATAT
 CCGTCTGGCTGTGTGAGGCACCCCTACCTCATGGGGGTGTCTTGGGATTGATGAAGTGTG
 GAACCTGCCTCCTGCGCTCCCAAAGCTTATTAACCCCTAACTGTATCGGGGCGGGGTG
 TGTGTGTGCATGGAAGATGCCTGGGCTGTCTTGTCTATATGTAATAGAGCCATTGGATC
 TTTATTTTTGATTAATTTGTTCTGATTTTTTGGTTTTGTTTTTAAAGAACTGTAATGAAC
 AAATGTCAGGATATCCAATGCCAAATAAAGATGTTGTATTTTTTAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_001032289

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:

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_001032289.1](#), [NP_001027460.1](#)

RefSeq Size: 1763 bp

RefSeq ORF: 729 bp

Locus ID: 7355

UniProt ID: [P78381](#)

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 (2) differs in the 3' exon structure, compared to variant 1. The encoded isoform (b) is shorter and has a distinct C-terminus, compared to isoform a.