

Product datasheet for RC238022

SLC35A2 (NM_001282650) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | SLC35A2 (NM_001282650) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | SLC35A2 |
| Synonyms: | CDG2M; CDGX; UDP-Gal-Tr; UGALT; UGAT; UGT; UGT1; UGT2; UGTL |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >RC238022 representing NM_001282650 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCAGCGTTGGGGCTGGTGGTTCACCGCGGCCCGGGCCAGGGCGGTTCCGCGGGTGCATTGG
AGCCGGGGACCGCAGTGCAGGTGAGACAGTCTGCCGAGCAGTCGCATGGGAGGCGGAGCTCACAGGCC
CCTGAAGTACATATCCCTAGCTGTGCTGGTGGTCCAGAATGCCTCCCTCATCCTCAGCATCCGCTACGCC
CGCACGTTGCCAGGGGACCGCTTCTTGGCCACCACTGCTGTGGTATGGCGGAAGTGCTCAAAGGTCTCA
CCTGCCTGCTGCTCTTCGCACAGAAGAGGGGTAACGTGAAGCACCTGGTCTCTTCCCTCATGAGGC
TGTCTGGTGCAGTATGTGGACACGCTCAAGCTCGCAGTGCCTCTCTCATCTACACCTGCAGAATAAC
CTCCAGTATGTTGCCATCTTAACCTACCAGCTGCCACTTCCAGGTGACATACCAGCTGAAGATCCTGA
CCACAGCGCTGTTCTCCGTGCTCATGCTGAATCGCAGCCTTCCCGGCTGCAGTGGGCTCCCTGCTGCT
CCTTTCACTGGCGTCGCCATTGTCCAGGCACAGCAAGCCGGTGGGGGAGGCCACGGCCACTGGATCAG
AACCTGGGGCAGGCCTGGCAGCCGTGCTGGCTCCTGTCTCTCCTCCGGCTTCGCAGGTGCTACTTTG
AGAAGATCCTCAAAGGCAGCTCAGGCTCCGTGTGGCTGCGCAACCTGCAACTGGGCTCTCGGCACAGC
ACTGGGCCTGGTGGGCTCTGGTGGGCTGAGGGTACCGCCGTGGCCACCGTGGTTCTTTTTGGGTAC
ACACCTGTCTGCTGGGGCTGGTCTCAACCAGGCCTTCGGCGGGCTACTGGTGGCTGTGGTGTCAAGT
ACGCTGACAATATCCTCAAGGGCTTGGCACCTCCCTGTCCATTGTGCTGTCCACTGTTGCCTCCATTCCG
CCTTTTGGCTTCCAGTGGACCAATATTTGCCCTTGGCGCTGGACTCGTCATTGGTGTGCTACCTC
TACAGCCTTCCCCGAGGTGCAGCCAAAGCCATAGCCTCTGCCTCGCCTCCGGCCCTCGGCTCGGTTCC
ACCAGCAGCCTCCCGGCAGCCACCACCAGCAGCTGTCTCCACCGTGGAGACCTCATCAGGAGCC
CTTTCTGCCAAAGTCAGTGTGGTGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC238022 representing NM_001282650
 Red=Cloning site Green=Tags(s)

MAAVGAGGSTAAPGPGAVSAGALEPGTASAGETVCPSSRMGGGAHRLKYISLAVLVVQNASLILSIRYA
 RTLPGDRFFATTAVVMAEVLKGLTCLLLFAQKRGNVKHLVFLHEAVLVQYVDTLKLAVPSLIYTLQNN
 LQYVAISNLPAAATFQVTYQLKILTTALFVLMNRSLSRLQWASLLLLFTGVAIVQAQQAGGGPRPLDQ
 NPGAGLAAVVASCLSSGFAGVYFEKILKSSGSVWLRNLQLGLFGTALGLVGLWAEATVATRGFFFGY
 TPAVWGVVLNQAFGGLLVAVVVKYADNILKGFATSLIVLSTVASIRLFGFHVDPFLFALGAGLVIGAVYL
 YSLPRGAAKAIASASASASGPCVHQPPGQPPPPQLSSHRGDLITEPFLPKSVLVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

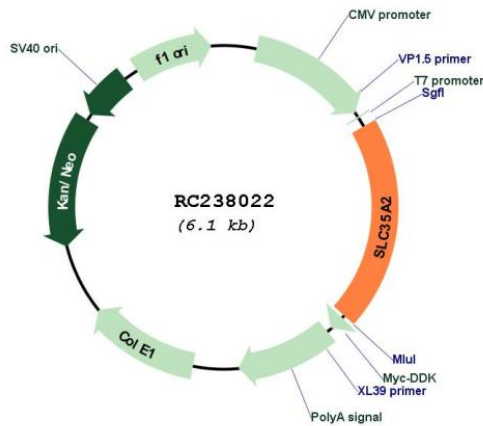
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282650

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| ORF Size: | 1218 bp |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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: | NM_001282650.2 |
| RefSeq Size: | 2658 bp |
| RefSeq ORF: | 1221 bp |
| Locus ID: | 7355 |
| UniProt ID: | P78381 |
| Cytogenetics: | Xp11.23 |
| Protein Families: | Transmembrane |
| MW: | 42.7 kDa |
| 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] |