

Product datasheet for **RG237504**

SLC35A2 (NM_001282649) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35A2 (NM_001282649) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC35A2
Synonyms:	CDG2M; CDGX; UDP-Gal-Tr; UGALT; UGAT; UGT; UGT1; UGT2; UGTL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237504 representing NM_001282649. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAGCGGTTGGGGCTGGTGGTTCACCGCGCGCCCGGGCCAGGGGCGGTTCCGCGGGTGCATTG
GAGCCGGGGACCGCCAGTGCAGGTAACGTGAAGCACCTGGTTCTTCTCCATGAGGCTGTCTGGTG
CAGTATGTGGACACGCTCAAGCTCGCAGTGCCCTCTCATCTACACCTGCAGAATAACCTCCAGTAT
GTTGCCATCTTAACCTACCAGTGCCTTTCCAGGTGACATACCAGCTGAAGATCCTGACCACAGCG
CTGTTCTCCGTGCTCATGCTGAATCGCAGCCTTCCCGGCTGCAGTGGGCTCCCTGCTGCTCCTCTC
ACTGGCGTCGCCATTGTCCAGGCACAGCAAGCCGGTGGGGAGGCCACGGCCACTGGATCAGAACCCT
GGGGCAGGCCTGGCAGCGTCGTGGCCTCCTGTCTCCTCCGGCTTCGAGGTGTCTACTTTGAGAAG
ATCCTCAAAGGCAGCTCAGGCTCCGTGTGGCTGCGCAACCTGCAACTGGGCTCTTCGGCACAGCACTG
GGCCTGGTGGGGCTCTGGTGGGCTGAGGGTACCGCCGTGGCCACCCGTGGTTTCTTTTTGGGTACACA
CCTGCTGTCTGGGGCTGGTGTCAACCAGGCCTTCGGCGGGCTACTGGTGGCTGTGGTTGTCAAGTAC
GCTGACAAATCCTCAAGGGCTTTGCCACCTCCCTGTCCATTGTGCTGTCCACTGTTGCCTCCATTCCG
CTCTTTGGCTTCCAGTGGACCCATTATTTGCCCTTGGCGCTGGACTCGTCATTGGTGTGTCTACCTC
TACAGCCTTCCCGAGGTGCAGCCAAAGCCATAGCCTCTGCCTCTGCCTCCGCCCTCCGGGCCCTGCGTT
CACCAGCAGCCTCCCGGCAGCCACCACCAGCAGCTGTCTCCACCCTGGAGACCTCATCACGGAG
CCTTTTCTGCCAAAGTCAGTGTGGTGAAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237504
 Blue=ORF Red=Cloning site Green=Tag(s)

MAAVGAGGSTAAPGPGAVSAGALEPGTASAGNVKHLVFLHEAVLVQYVDLTKLAVPSLIYTLQNNLQY
 VAISNLPAATFQVTYQLKILTTALFVSLMLNRSLSRLQWASLLLLFTGVAIVQAQQAGGGGPRPLDQNP
 GAGLAADVASCLSSGFAGVYFEKILKSSGVSWLRNLQLGLFGTALGLVGLWWAEGTAVATRGFFFGYT
 PAVWGVVLNQAFGGLLVAVVVKYADNILKGFATLSIVLSTVASIRLFGFHVDPFLFALGAGLVIGAVYL
 YSLPRGAAKAIASASASAGPCVHQPPGQPPPPQLSSHREGDLITPFLPKSVLVK
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282649

ORF Size: 996 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).

RefSeq: [NM_001282649.2](#)

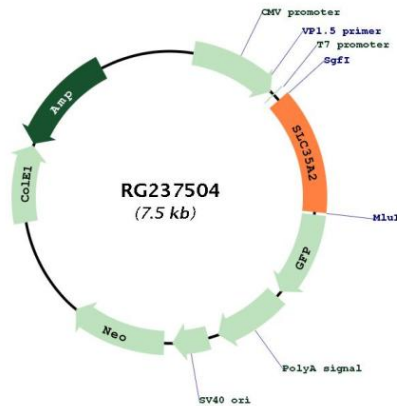
RefSeq Size: 2436 bp

RefSeq ORF: 999 bp

Locus ID: 7355
UniProt ID: [P78381](#)
Cytogenetics: Xp11.23
Protein Families: Transmembrane
MW: 34.6 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]

Product images:



Circular map for RG237504