

Product datasheet for SC313009

SLC35D2 (NM_007001) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35D2 (NM_007001) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC35D2
Synonyms:	hfrc; HFRC1; SQV7L; UGTrel8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC313009 representing NM_007001. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGACGGCCGGCGCCAGGCCGAGGCCGAGGGCGCTGGCGGGGAGCCCGCGCGCGGCTGCCCTCG
 CGGGTGGCCCGGCTGCTGTCGGCGCTCTTCTACGGGACCTGCTCCTTCTCATCGTGCTTGCAACAAG
 GCGCTGCTGACCACCTACGGTTTCCCGTCACCAATTTTCTTGAATTGGACAGATGGCAGCCACCATA
 ATGATACTATATGTGTCCAAGCTAAACAAAATCATTCACCTCCCTGATTTTGATAAGAAAATTCCTGTA
 AAGCTGTTTCTCTGCCTCTCCTCTACGTTGAAACCACATAAGTGGATTATCAAGCACAAAGTAAATTA
 AGCCTACCGATGTTACCGTGCTCAGGAAATTCACCATCCACTTACCTTACTTCTGAAACCATCATA
 CTTGGGAAGCAGTATTCCTCAACATCATCCTCAGTGTCTTGCCATTATTCTCGGGGCTTTCATAGCA
 GCTGGGCTGACCTTGCTTTTAACCTAGAAGGCTATATTTTGTATTCTGAATGATATCTTCACAGCA
 GCAAAATGGAGTTTATACCAACAGAAAAATGGACCCAAAGGAGCTAGGGAAATACGGAGTACTTTTCTAC
 AATGCCTGCTTCATGATTATCCCACTCTTATTATTAGTGTCTCCACTGGAGACCTGCAACAGGCTACT
 GAATTCACCAATGGAAGAATGTTGTGTTTATCCTACAGTTTCTTCTTCTGTTTGGGGTTTCTG
 CTGATGTACTCCACGTTCTGTGCAGCTATTACAATTCAGCCCTGACGACAGCAGTGGTTGGAGCCATC
 AAGAATGTATCCGTTGCCTACATTGGGATTAATCGGTGGAGACTACATTTTCTTTGTTAACTTT
 GTAGGGTTAAATATTTGCATGGCAGGGGCTTGAGATATTCCTTTTAACTGAGCAGCCAGTTAAAA
 CCTAAACCTGTGGTGAAGAAAACATCTGTTTGATTGAAGAGC**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_007001
Insert Size:	1014 bp


[View online »](#)

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:	<u>NM_007001.2</u>
RefSeq Size:	1643 bp
RefSeq ORF:	1014 bp
Locus ID:	11046
UniProt ID:	<u>Q76EJ3</u>
Cytogenetics:	9q22.32
Protein Families:	Transmembrane
MW:	36.7 kDa
Gene Summary:	Nucleotide sugars, which are synthesized in the cytosol or the nucleus, are high-energy donor substrates for glycosyltransferases located in the lumen of the endoplasmic reticulum and Golgi apparatus. Translocation of nucleotide sugars from the cytosol into the lumen compartment is mediated by specific nucleotide sugar transporters, such as SLC35D2 (Suda et al., 2004 [PubMed 15082721]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (1) encodes the longer isoform (a).