

## Product datasheet for **RC210839**

### SLC35D1 (NM\_015139) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SLC35D1 (NM\_015139) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SLC35D1  
**Synonyms:** SHNKND; UGTREL7  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC210839 representing NM\_015139  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGAAGTTCATAGACGTCAGCATGCTCGGGTTAAAGGAGAAGCCCCGCGAAATCCTCCACACTCC  
GAGATGAGGAGGAGCTGGGGATGGCGTCGGCCGAAACGCTGACCGTGTTTCTGAAGCTGCTGGCCCGCG  
CTTTTACGGCGTGAGCTCCTTCTGATCGTGGTGGTGAATAAGAGCGTGCTACCAATTACAGATTTCCC  
TCCTCACTATGTGTTGGACTTGGCCAGATGGTGGCCACAGTGGCAGTTCTCTGGGTGGAAAGGCGCTCA  
GAGTAGTCAAGTTTCTGACCTTGACAGAAATGTACCTCGAAAGACGTTTCCACTACCTCTACTATATTT  
TGGGAACCAAATCACGGGACTGTTGAGCACAAGAACTGAACTTGCCAATGTTTACAGTTCTGAGAAGG  
TTCTCCATCCTGTTTACAATGTTTGTGCTGAAGGAGTTTTACTCAAGAAGACTTTTTCTGGGGTATTA  
TGACTGTATTTGCAATGATTATTGGAGCCTTTGTAGCTGCCAGCTCTGACTTGGCATTGATCTGGAAGG  
ATATGCTTTTATCTGATAAACGATGTCCTAACAGCAGCAAAATGGTGCATACGTAACAAAAAATAGAT  
TCAAAAGAGCTGGGAAAATATGGACTGCTCTATTACAATGCACTGTTTATGATTCTGCCACCCTGGCCA  
TTGCGTATTTACAGGAGATGCACAAAAGGCTGTGGAGTTTGAAGGCTGGGCTGACACCCTTTCTTCT  
GCAGTTACCCCTCCTGTGTGATGGGTTTATCTTAATGTACGCCACAGTACTCTGCACGCAGTATAAT  
TCTGCTTTACAACATAAGTTGGCTGTATTAAGAATATTAATAACTTATATTGGAATGGTCTTTG  
GTGGAGATTATTTTACGTGGACAACTTATTGGTTTAAATATCAGCATTGCTGGGAGCCTGGTATA  
TTCTATATCACTTTCACTGAAGAGCAGCTGAGCAAACAGTCAGAGGCTAATAACAAGCTGGACATTAAG  
GGGAAAGGAGCAGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC210839 representing NM\_015139  
Red=Cloning site Green=Tags(s)

MAEVHRRQHARVKGEAPAKSSTLRDEEELGMSAETLTVFLKLLAAGFYGVSSFLIVVVNKSVL TNYRFP  
 SSLCVGLGQMVATVAVLWVGKALRVVFPDLDRNVPRKTFPLPLL YFGNQITGLFSTKKNLPMFTVLR  
 FSILFTMFAEGVLLKKTFSWGIKMTVFAMIIGAFVAASSDLAFDLEGYAFILINDVLTAAANGAYVKQLD  
 SKELGKYGLLYNALFMILPTLAIAYFTGDAQKAVEFEGWADTLFLLQFTLSCVMGFILMYATVLC TQYN  
 SALTTTIVGCIKNILITYIGMVFGGDYIFTWTFNFIGLNI SIAGSLVYSYITFTTEEQLSKQSEANNKLDIK  
 GKGAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mg2506\\_c01.zip](https://cdn.origene.com/chromatograms/mg2506_c01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_015139

**ORF Size:** 1065 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:**

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\\_015139.3](#)

**RefSeq Size:** 1272 bp

**RefSeq ORF:** 1068 bp

**Locus ID:** 23169

**UniProt ID:** [Q9NTN3](#)

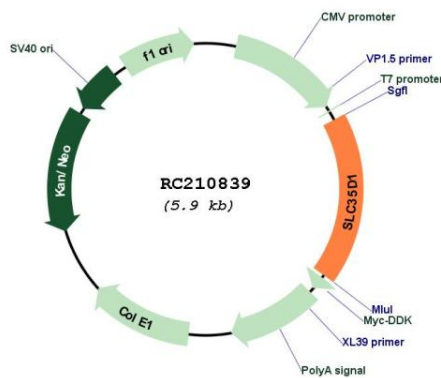
**Cytogenetics:** 1p31.3

**Protein Families:** Transmembrane

**MW:** 39.1 kDa

**Gene Summary:** Glycosylation of cellular glycoconjugates occurs in the endoplasmic reticulum (ER) and Golgi compartment, and requires transport of nucleotide sugars from the cytosol into the lumen of the ER and Golgi by specific transporters. The protein encoded by this gene resides in the ER, and transports both UDP-glucuronic acid (UDP-GlcA) and UDP-N-acetylgalactosamine (UDP-GalNAc) from the cytoplasm to the ER lumen. It may participate in glucuronidation and/or chondroitin sulfate biosynthesis. Mutations in this gene are associated with Schneckenbecken dysplasia.[provided by RefSeq, Sep 2009]

### Product images:



Circular map for RC210839