

## Product datasheet for **SC108558**

### SLC35D1 (NM\_015139) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35D1 (NM_015139) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC35D1
Synonyms:	SHNKND; UGTREL7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108558 sequence for NM_015139 edited (data generated by NextGen Sequencing)

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ATGGCGGAAGTTCATAGACGTCAGCATGCTCGGGTTAAAGGAGAAGCCCCGCGAAATCC
TCCACACTCCGAGATGAGGAGGAGCTGGGGATGGCGTCGCCGAAACGCTGACCGTGTTT
CTGAAGCTGCTGGCCCGCGGCTTTTACGGCGTGAGCTCCTTCTGATCGTGGTGGTGAAT
AAGAGCGTGCTACCAATTACAGATTTCCCTCCTCACTATGTGTTGGACTTGGCCAGATG
GTGGCCACAGTGGCAGTTCTCTGGGTGGGAAAGGCGCTCAGAGTAGTCAAGTTTCTGAC
CTTGACAGAAATGTACCTCGAAAGACGTTTCCACTACCTCTACTATATTTTGGGAACCAA
ATCACGGGACTGTTACAGCACAAGAAACTGAACTTGCCAATGTTTACAGTTCTGAGAAGG
TTCTCCATCCTGTTTACAATGTTTGTGAAGGAGTTTACTCAAGAAGACTTTTTCTTGG
GGTATTAATGACTGTATTTGCAATGATTATTGGAGCCTTTGTAGCTGCCAGCTCTGAC
TTGGCATTGATCTGGAAGGATATGCTTTTATTCTGATAAACGATGTCCTAACAGCAGCA
AATGGTGACATACGTAAAACAAAATAGATTCAAAGAGCTGGGAAAATATGGACTGCTC
TATTACAATGCACTGTTTATGATTCTGCCACCCTGGCCATTGCGTATTTACAGGAGAT
GCACAAAAGGCTGTGGAGTTTGAAGGCTGGGCTGACACCCTCTTCTTCTGCAAGTTACC
CTCTCCTGTGTGATGGGTTTATCTTAATGTACGCCACAGTACTCTGCACGCAGTATAAT
TCTGCTTTACAACACTACAATAGTTGGCTGTATTAAGAATATATTAATAACTTATATTGGA
ATGGTCTTTGGTGGAGATTATATTTTACAGTGGACAAACTTATTGGTTTAAATATCAGC
ATTGCTGGGAGCCTGGTATATTCCTATATCACTTTCAGTGAAGAGCAGCTGAGCAAACAG
TCAGAGGCTAATAACAAGCTGGACATTAAGGGGAAAGGAGCAGTGTGA

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Clone variation with respect to NM\_015139.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_015139 unedited</p> <pre> NGGTTCAAATTTGTATACGACTCACTATAGGCGGCCGGAATCGGCACCAGCTGGAGTCC CCTGGGAGCTGCCGCTGCAGGCCCCCGAGCCGCTAGGCCCCGCCAGGCCACCGCTGC TGCGGCAGCCATGGCGGAAGTTCATAGACGTGAGCATGCTCGGGTTAAAGGAGAAGCCCC CGCGAAATCCTCCACACTCCGAGATGAGGAGGAGCTGGGGATGGCGTCGGCCGAAACGCT GACCGTGTCTGAAGCTGCTGGCCGCCGCTTTTACGGCGTGAGCTCCTTCTGATCGT GGTGGTGAATAAGAGCGTGCTACCAATTACAGATTTCCCTCCTCACTATGTGTTGGACT TGGCCAGATGGTGCCACAGTGGCAGTTCTGCGGTGGGAAAGGCGCTCAGAGTAGTCAA GTTTCCTGACCTTGACAGAAATGTACCTCGAAAGACGTTTCCACTACCTCTACTATATT TGGGAACCAATCACGGGACTGTTACAGCACAAGAACTGAACCTGCCAATGTTTACAGT TCTGAGAAGGTTCTCCATCTGTTTACAATGTTTGCTGAAGGAGTTTACTCAAGAAGAC TTTTTCTGNGGTATTAATAAGACTGTATTTGCAATGATTATTGGAGCCTTTGTAGCTGC CAGCTCTGACTTGGCATTGATCTGGAAGGATATGCTNTTATTCTGATAAACGATGCTCT AACAGCAGCAAAATGGTGCATACGTAACAAACAAAATAGATTCAAAAGAGCTGGGAAAATAT GGACTGCTCTATTACATGCACTGTTTCATGATCTGCCACCCTGGCCATTGCGTATTNCA CAGGAGATGCACANAAGGCTGNGGNAGTTGAAGGCTGGGCTGACACCCTTCTTCTGCA NTCACCTCTNCTGTGTGATGGGTTATC </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_015139 unedited</p> <pre> CTATCTATGNACNCGCGCCGAATCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTCAGA AAAAATATTTATTTTACACCATTACAAAAATTTTAGGCACATAATTTTCATGTTTATGT CACCTGATTTACATACTCAATTCCTCAGTACCTTTTAACTAAAAATGGTCATTTGGT AAATAGACTCTAAAATGAAAAAATACTGTGAGAAGCTAACACCTGTAGACAAAAATCAGT TGATCATCAGCATGAGAAAGAAAACATTTGTGAAAAAATAATCTCTAAAACATTTTTG TGAGACAATAAATCTAACAGTAGATTTCTTTTTAAAAAGTATTTTTAAAGAACAAGCT TTAAAAAATAAATACTACAACACTGTAACATATATCCTCATGCCATGAAGCAGCATCCT GAAAGTAAAGACTAAAAGACTGGCTTAAAAAACAGTAATGGTGCCAGGGACTCACAATAT ATGACAACTGAGACAGGCTGGAAGCAGGGCAGCATGGGGTCAAGTGCCTTCAATTCAG AGAGGGGAAAAGGAACGCTGGCCTTCCAGGAGCCATCTAAAGGTAAAACTGAGAAAGA TTTAACTGAATTGACATTTCTAAAATGTAACATATGTTTCTTAAAGATAGAAAATAATTTTC CTGGCCGACATGTGCCACACCTGTAATTCAGCACTTTGGGAGGCTGAGACAGGAGG GTTACTTGAGGCCAAGAGTTTGAGACCAGTCTGCCAACAGAGTGAAACCTTGCTTTTCCA GAAAAAATAAAGGAAGACCGAGCCCGCGTATGGGCCATGCCTAAGTCAACTCCTT AACAGGCTAAGGCAGAGGATCCCTTGGCCCTAGAGTTTGAGAATGTGGGAACCTGGTTTA ATACCCCTTACCCTCCACCCTGGCGGAGAACAAACAGAT </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_015139
<b>Insert Size:</b>	5160 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_015139.1](#), [NP\\_055954.1](#)

**RefSeq Size:** 1272 bp

**RefSeq ORF:** 1068 bp

**Locus ID:** 23169

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

**Cytogenetics:** 1p31.3

**Protein Families:** Transmembrane

**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]