

Product datasheet for **SC330954**

SLC35A3 (NM_001271685) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC35A3 (NM_001271685) Human Untagged Clone
Tag: Tag Free
Symbol: SLC35A3
Synonyms: AMRS
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330954 representing NM_001271685.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAGCTCTCGCTCGGTGTTGAGCCCTGTGGTAGGCACAGATGCACCCGACCAGCACCTGGAGCTCAAG
 AAGCCGCAGGAACCTAAAGAAATGGAAAGGCTGCCCTTGCCAAATGAAGATAAAACAATGTTGCCAAC
 CTAATAACGTTTCCCTGGGAATTTTGGTCTTTCAGACTACCAGTTTGGTTCTAACAAATGCGTTATTCC
 AGAACTTTAAAGAAGAAGGACCTCGTTATCTATCTTCTACAGCAGTGGTTGTTGCTGAACCTTTGAAG
 ATAATGGCCTGCATTTTATTGGTCTACAAAGACAGCAATGTAGTCTAAGAGCACTGAATCGAGTACTA
 CATGATGAAATCTTAATAAACCTATGGAAACACTTAACTTGCTATTCCATCAGGGATCTATACTCTT
 CAGAATAATTTACTGTATGTGGCACTATCAAACTAGATGCAGCTACTTATCAGGTACAGTATCAGTTA
 AAAATCTTACAACAGCATTATTTTCTGTGTCTATGCTTAGTAAAAAATTGGGTGTATACCAGTGCGCTG
 TCCCTAGTAATTTTGATGACAGGAGTTGCTTTTGACAGTGGCCCTCAGATTCTCAGCTTGATTCTAAG
 GAACCTTCAGCTGGTTCTCAATTTGTAGGACTCATGGCAGTTCTCACAGCATGTTTTCAAGTGGCTTT
 GCTGGGTTTACTTTGAGAAAATCTTAAAGAAACAAAACAATCAGTGTGGATAAGAAATATTGAGCTT
 GGTTTCTTTGGAAGTATATTTGGATTAATGGGTGTATACATTTATGATGGAGAACTGGTATCAAAGAAT
 GGATTTTTTCAGGGATATAACCGACTGACCTGGATAGTAGTTGTTCTTCAGGCACTTGGAGGCCTTGTA
 ATAGCTGCTGTTATTAAGTATGCAGATAATATTTTAAAGGATTGCAACCTCTTATCGATAATATTA
 TCAACATTGATCCTATTTTGGCTTCAAGATTTTGTGCCAACCAGTGTCTTTTCTTGAGGCCATC
 CTTGTAATAACAGCTACTTTTTGTATGGTTATGATCCCAACCTGCAGGAAATCCCACTAAAGCATAG

Restriction Sites: SgfI-MluI
ACCN: NM_001271685
Insert Size: 1104 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_001271685.1](#)

RefSeq Size: 5721 bp

RefSeq ORF: 1104 bp

Locus ID: 23443

UniProt ID: [Q9Y2D2](#)

Cytogenetics: 1p21.2

Protein Families: Transmembrane

MW: 40.7 kDa

Gene Summary: This gene encodes a UDP-N-acetylglucosamine transporter found in the golgi apparatus membrane. In cattle, a missense mutation in this gene causes complex vertebral malformation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012]

Transcript Variant: This variant (3) uses an alternate 5' exon structure, which introduces an upstream start codon, compared to variant 1. It encodes isoform 3, which has a longer N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.