

Product datasheet for SC108519

SLC35A3 (NM_012243) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35A3 (NM_012243) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC35A3
Synonyms:	AMRS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108519 sequence for NM_012243 edited (data generated by NextGen Sequencing)

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ATGTTTCGCCAACCTAAAATACGTTTCCCTGGGAATTTTGGTCTTTCAGACTACCAAGTTTG
GTTCTAACAAATGCGTTATTCCAGAACTTTAAAAGAAGAAGGACCTCGTTATCTATCTTCT
ACAGCAGTGGTTGTTGCTGAACCTTTGAAGATAATGGCCTGCATTTTATTGGTCTACAAA
GACAGCAAATGTAGTCTAAGAGCACTGAATCGAGTACTACATGATGAAATTCTTAATAAA
CCTATGGAACACTTAACTTGCTATTCCATCAGGGATCTATACTCTTCAGAATAATTTA
CTGTATGTGGCACTATCAAACTAGATGCAGCTACTTATCAGGTCACGTATCAGTTAAAA
ATTCTTACAACAGCATTATTTTCTGTGCTATGCTTAGTAAAAAATTGGGTGTATACCAG
TGGCTGTCCCTAGTAATTTTGATGACAGGAGTTGCTTTTGTACAGTGGCCCTCAGATTCT
CAGCTTGATTCTAAGGAACCTTCAGCTGGTTCTCAATTTGTAGGACTCATGGCAGTTCTC
ACAGCATGTTTTTCAAGTGGCTTTGCTGGGGTTTACTTTGAGAAAATCTTAAAAGAAACA
AAACAATCAGTGTGGATAAGAAATATTCAGCTTGGTTTCTTTGGAAGTATATTTGGATTA
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AACCGACTGACCTGGATAGTAGTTGTTCTTCAGGCACTTGGAGGCCTTGTAATAGCTGCT
GTTATTAAGTATGCAGATAATATTTTAAAGGATTTGCAACCTCTTTATCGATAATATTA
TCAACATTGATCTCCTATTTTGGCTTCAAGATTTTGTGCAACCAAGTGTCTTTTTCCTT
GGAGCCATCCTTGTAAATAACAGCTACTTTTTTGTATGGTTATGATCCCAACCTGCAGGA
AATCCCACTAAAGCATAG
  
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Clone variation with respect to NM_012243.1



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012243 unedited
 GTTCCGATTAGTATACGACTCCTATAGGGCGGCCGGAATTTCGCACGAGGGCGGGTCAGC
 GGTGCGGTAGGACCCAGCGGACTCGGCAGCCTGGGGCGCCCGCGGAGCTGAACCGCGGC
 CCCCAGTGGTGGGCTCAGCCGGTCGAGCTGCGCGGGAGGCAATGAAGATAAAACAATGT
 TCGCCAACCTAAAATACGTTTCCCTGGGAATTTGGTCTTTCAGACTACCAGTTTGGTTC
 TAACAATGCGTTATTCCAGAACTTTAAAGAAGAAGGACCTCGTTATCTATCTTCTACAG
 CAGTGGTTGTTGCTGAACTTTTGAAGATAATGGCCTGCATTTTATTTGGTCTACAAAGACA
 GCAAATGTAGTCTAAGAGCACTGAATCGAGTACTACATGATGAAATTCCTAATAAACCTA
 TGGAAACACTTAACTTGCTATTCCATCAGGGATCTATACTCTTCAGAATAATTTACTGT
 ATGTGGCACTATCAAACTAGATGCAGCTACTTATCAGGTCACGTATCAGTTAAAAATTC
 TTACAACAGCATTATTTTCTGTGTCTATGCTTAGTAAAAAATGGGTGTATACCAGTGGC
 TGTCCCTAGTAATTTTGTGACAGGAGTTGCTTTTGTACAGTGGCCCTCAGATTCTCAGC
 TTGATTCTAAGGAACCTTCAGCTGGTTCTCAATTTGTAGGACTCATGGCAGTTCTCAGAG
 CATGTTTTTCAAGTGGCTTTGCTGGGGTTACTTTGAGAAAATCTTTAAAGAAACCAAC
 AATCAGTGTGGATAAGAAATATTAGCTTGGTTTCTTTTGGAGTATATTTGGATTAATGG
 TGTATACATTTATGATGGAGAACTGGTATCAAAGAATGGATTTTTTCAGGGATATAACCG
 ACTGACCTGNNAAGTAANGTGTCTTCAGGCACTTGGAGGCTGTNATAGCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012243 unedited
 TTACCGCGGCCGCATCTANATCGAGTTTTTTTTTTTTTTTTTTTTTTTGGAGACAGACTCTC
 ACTGTGTCGCCCACGTTGGAGTGCAGTGGCGTGATCTCCACTTACTGCAACCTCTGCCTC
 CCGGGTTCAAGTATTCTCCTGCCTCAGTCTCCGAGTAGCTGGGACTACAGGTGCGTGC
 CACCACACCCAGCTAATTTTTGTATTTTGGTAGAGACGGGGTTTCAACATGTTGGTCAG
 GATAGTCTCAATCTCTTGACCTGTGATCCACCTGCCTCAGCCTCCCAAAGTCTAGGAT
 TACAGGCGTGAGCCACTGCGCCAGGCCTTCTCAGCAGCTCTTGTGGGAACACAGAAAGGG
 AATTCAAAATTTGGCTACCTCTCCCACTCATGTGATCAGGGAAGAATAGGCTTATGAGAG
 ACCTAAAAAATCTTCCGAGCAGCCTTGGATTTAAAGTCATAGCGCTGTTTAAAAATAAG
 TAATATGGCAATCTGGAATGTCTCCAAGAAAAGTCATTTTGTCTGTCACTGACATCTGT
 ACTATTTGGTTGAATGTTGTTTTGTAAACAGTTGTAGATTAAAGAAGTTTTTACAGATC
 AATGAGTAAAAATGTTCAATTAATAACTTTCTAACTGTATACAGAAATATGCTTGATGTTT
 AAAATTTCTCCAAAGTAAATATTATACCATAATTATTTTAAATTATAAAATGAGCTTTAA
 ATCCTTTTAAATACCTTTTGAAAAATTTATGGCAATTCACCAATTTTATTTAAACTATA
 TTAAGGCCTTATCTGGGTACAAAATGAATGCATCCAAAGATTAAGGCTACCCCTCCTTAC
 TTAATACTCTGGTACCTTTAGCCAGAACTGGGTTGCTTTACATTCTGAAACCTAAAA
 TCTTAAATCTTG

Restriction Sites:

NotI-NotI

ACCN:

NM_012243

Insert Size:

2710 bp

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).

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_012243.1, NP_036375.1</u>
RefSeq Size:	2149 bp
RefSeq ORF:	978 bp
Locus ID:	23443
UniProt ID:	<u>Q9Y2D2</u>
Cytogenetics:	1p21.2
Domains:	Nuc_sug_transp
Protein Families:	Transmembrane
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 (1) represents the longest transcript and encodes 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.