

Product datasheet for **SC328455**

SLC35A1 (NM_001168398) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35A1 (NM_001168398) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC35A1
Synonyms:	CDG2F; CMPST; CST; hCST
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328455 representing NM_001168398. Blue=Insert sequence Red=Cloning site Green=Tag(s)

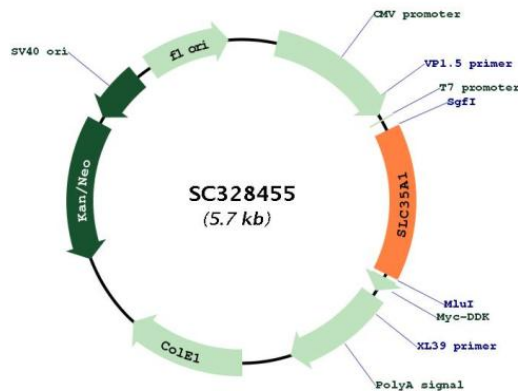
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GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGCCCGAGAGACAATGCACTTTATTATTCAAGTTATACTGCTTGGCAGTGATGACCCTGATG
GCTGCAGTCTATACCATAGCTTTAAGATACACAAGGACATCAGACAAAGAACTCTACTTTCAACCACA
GCCGTGTGTATCACAGAAGTTATAAAGTTATTGCTAAGTGTGGGAATTTAGCTAAAGAACTGGTAGT
CTGGGTAGATTCAAAGCATCTTTAAGAGAAAATGCTTGGGGAGCCCAAGGAACTGTTGAAGTTAAGT
GTGCCATCGTTAGTGTATGCTGTTCAGAACAACATGGCTTTCCTAGCTCTAGCAATCTGGATGCAGCA
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ACACTCAGCAAATTACAGTGGGTTTCAGTTTTATGCTGTGTGCTGGAGTTACGCTGTACAGTGGAAA
CCAGCCCAAGCTACAAAAGTGGTGGTGGAAACAAAATCCATTATTAGGGTTTGGCGCTATAGCTATTGCT
GTATTGTGCTCAGGATTTGCAGTCTTGAAGTGTGGTGGCCTCTACACTTCTGTTGTGGTTAAGTAC
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TATGGATTACCCAGACAAGACTACATCCATCCAACAAGGAGAAACAGCTTCAAAGGAGAGAGTTATT
GGTGTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001168398

Insert Size: 837 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).

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: [NM_001168398.1](#)

RefSeq Size: 1741 bp

RefSeq ORF: 837 bp

Locus ID: 10559

UniProt ID: [P78382](#)

Cytogenetics: 6q15

Protein Families: Transmembrane

MW: 29.9 kDa

Gene Summary: The protein encoded by this gene is found in the membrane of the Golgi apparatus, where it transports nucleotide sugars into the Golgi. One such nucleotide sugar is CMP-sialic acid, which is imported into the Golgi by the encoded protein and subsequently glycosylated. Defects in this gene are a cause of congenital disorder of glycosylation type 2F (CDG2F). Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Dec 2009]
Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.