

Product datasheet for **RC203263**

SLC35B4 (NM_032826) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35B4 (NM_032826) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC35B4
Synonyms:	YEA; YEA4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203263 representing NM_032826 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCCCGCCTTGGCGGTGGGCTGGTGTTCGAGGCTGCTGCAGTAACGTGATCTTCTAGAGCTCC
TGGCCCGAAGCATCCAGGATGTGGGAACATTGTGACATTTGCACAATTTTATTATTGCTGTGGAAGG
CTTCTCTTTGAAGCTGATTTGGGAAGGAAGCCACCAGCTATCCAATAAGGACTATGCCATAATGGTG
ACCATGTTCTTCCCGTGAGCGTGGTGAACAACATGCCCTGAATCTCAACATTGCCATGCCCTGCATA
TGATATTTAGATCCGGTCTCTAATTGCCAACATGATTCTAGGAATTATCATTGGAAGAAAAGATACAG
TATATTCAAATATACCTCCATTGCCCTGGTGTCTGTGGGATATTTATTGCACTTTTATGTCAGCAAAG
CAGGTGACTTCCCAGTCCAGCTTGAAGTGAATGATGGATTCCAGGCATTTGTGTGGTGGTACTAGGTA
TTGGGGCATTGACTTTTGCTCTTCTGATGTCAGCAAGGATGGGGATATCCAAGAGACTCTTACAAACG
ATTTGGGAAACACTCCAAGGAGGCTTTGTTTTATAATCACGCCCTTCCACTTCCGGGTTTCGTCTTCTTG
GCTTCTGATATTTATGACCATGCAGTCTATTCAATAAGTCTGAGTTATATGAAATCCCCTCATCGGAG
TGACCCGCCCATCATGTGGTTCTACCTCCTCATGAACATCATCACTCAGTACGTGTGCATCCGGGGTGT
GTTTATCTCACCACGGAATGCGCCTCCCTCACCGTCACGCTCGTCGTGACCCTACGCAAATTTGTGAGC
CTCATCTTTTCCATCTTGTACTTCCAGAACCCCTCACCTGTGGCACTGGCTGGGCACCTGTTTGTCT
TCATTGGACCTTAATGTACACAGAGGTGTGGAACAACCTAGGGACCACAAAAAGTGAGCCTCAGAAGGA
CAGCAAGAAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC203263 representing NM_032826
Red=Cloning site Green=Tags(s)

MRPALAVGLVFAGCCSNVIFLELLARKHPGCGNIVTFAQFLFIAVEGFLFEADLGRKPPAIPIRYYAIMV
 TMFFTVSVVNNYALNLIAMPLHMIFRSGSLIANMILGIIILKKRYSIFKYTSIALVSVGIFICTFMSAK
 QVTSQSSLSSENDGFQAFVWLLGIGALTFALLMSARMGIFQETLYKRFGKHSKEALFYNHALPLPGFVFL
 ASDIYDHAVLFNKSELYEIPVIGVTLPIMWFYLLMNIITQYVCIRGVFILTTECASLTVTLVVTLRKFVS
 LIFSILYFQNPFTLWHWLGTLFVFIGTLMYTEVWNNLGTTKSEPQKDSKKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1482_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032826

ORF Size: 993 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_032826.5](#)

RefSeq Size: 6794 bp

RefSeq ORF: 996 bp

Locus ID: 84912

UniProt ID: [Q969S0](#)

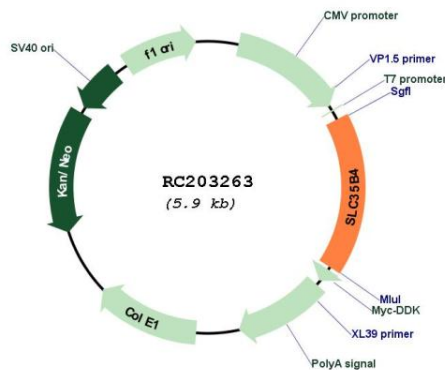
Cytogenetics: 7q33

Protein Families: Transmembrane

MW: 37.2 kDa

Gene Summary: Glycosyltransferases, such as SLC35B4, transport nucleotide sugars from the cytoplasm where they are synthesized, to the Golgi apparatus where they are utilized in the synthesis of glycoproteins, glycolipids, and proteoglycans (Ashikov et al., 2005 [PubMed 15911612]). [supplied by OMIM, Mar 2008]

Product images:



Circular map for RC203263