

Product datasheet for MR206080

Slc35a2 (NM_001083937) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc35a2 (NM_001083937) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc35a2
Synonyms:	AI327289; Had-1; Had1; Sfc8; Ugalt; UGT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206080 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCAGCGGTTGGGGTTGGTGGATCTACCGCTGCGGCCGGGGCTGGGGCTGTGCTCCTCGGGCGGTTGG
AACCTGGGTCCACTACAGCGGCTCACGGCGCCTCAAGTATATATCCTTAGCTGTGCTGGTGGTCCAGAA
TGCTCCCTCATCCTCAGCATCCGCTACGCTCGCACACTGCCTGGGGACCGCTTCTTTGCCACCACTGCT
GTGGTCATGGCTGAAGTGTCAAAGGTCTCACCTGTCTCCTGCTGCTCTTCGCACAAAAGAGGGGAATG
TGAAGCACCTGGTCTCTCCTCCATGAGGCTGTCTGGTCCAATATGTGGACACACTCAAGCTTGGCGT
GCCTCTCTCATCTATACCTTGCAGAATAACCTCCAGTATGTTGCCATCAGCAACCTGCCAGCTGCCACT
TTCCAGGTGACATATCAGCTGAAGATCCTGACTACAGCGCTCTTCTCTGTGCTCATGTTGAATCGCAGCC
TCTCACGCCTGCAGTGGGCTCTCTGCTGCTGCTTCACTGGTGTGCGCCATTGTCCAGGCACAGCAAGC
TGGTGGGAGTGGCCACGGCCACTGGATCAGAACCCGGGGGGGGCTTAGCGGCAGTTGTGGCCTCCTGT
CTCTCCTCAGGCTTCGCTGGGTCTACTTTGAGAAGATCCTCAAAGGCAGCTCAGGTTCTGTGTGGCTTC
GTAACCTACAGCTCGGCCTCTTTGGCACAGCGCTGGGCTGGTGGGGCTCTGGTGGGCTGAGGGCACCGC
CGTGGCCAGTCAAGGCTCTCTTTGGGTACACACCTGCTGTCTGGGGTGTAGTACTAAACCAAGCCTTT
GGTGGGCTCTGGTGGCTGTTGTTGTCAAGTATGCTGACAACATCCTCAAGGGCTTGGCCACCTCCCTGT
CTATTGTGCTGTCCACTGTTGCCTCCATTGCGCTCTTTGGCTTCCACTGGACCCATTATTTGCCCTGGG
CGCTGGGCTCGTATTGGTGTCTACCTCTACAGCCTTCCCCGAGGTGCAAGTCAAAGCCATAGCCTCG
GCCTCGGCCTCTGGGCCCTGCATTACACAGCAGCCTCTGGGCAGCCACCACCACCGCAGCTGTCTTCTC
GAGGAGACCTCACCGGAGCCCTTTCTGCCAAAGTCAGTGTGGTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206080 protein sequence
 Red=Cloning site Green=Tags(s)

MAAVGVGGSTAAAGAGAVSSGALEPGSTTAAHRRLLKYISLAVLVVQNASLILSIRYARTLPGDRFFATTA
 VVMAEVLKGLTCLLLFAQKRGVNVKHLVLFHEAVLVQYVDTLKLAVPSLIYTLQNNLQYVAISNLPAAAT
 FQVTYQLKILTTALFVSLMLNRSLSRLQWASLLLLFTGVAIVQAQQAGGSGRPLDQNPAGLAADVASC
 LSSGFAGVYFEKILKSSGVSVWLRNLQLGLFGTALGLVGLWVAEGTAVASQGFFFGYTPAVWGVVLNQAF
 GGLLVAVVVKYADNLIKGFATSLIVLSTVASIRLFGFHLDPALFAGLVIGAVYLYSLPRGAVKAIAS
 ASASGPCIHQQPPQPQQPPPPQLSSRGDLTTEPFLPKSVLVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001083937

ORF Size: 1173 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_001083937.1](#), [NP_001077406.1](#)

RefSeq Size: 2426 bp

RefSeq ORF: 1173 bp

Locus ID: 22232

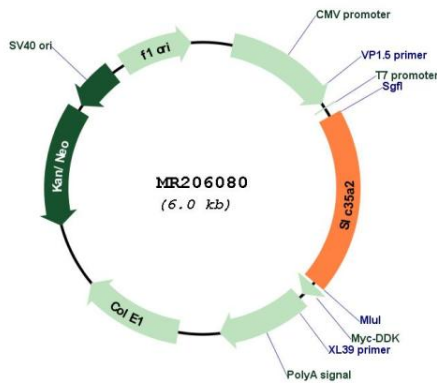
UniProt ID: [Q9R0M8](#)

Cytogenetics: X 3.56 cM

MW: 40.8 kDa

Gene Summary: Transports nucleotide sugars from the cytosol into Golgi vesicles where glycosyltransferases function.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206080