

Product datasheet for MR215856

Slc35a2 (NM_078484) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc35a2 (NM_078484) 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: >MR215856 representing NM_078484
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGCGGTTGGGTTGGTGGATCTACCGCTGCGGCCGGGGCTGGGGCTGTGCTCTCGGGCGGTTGG
 AACCTGGGTCCACTACAGCGGCTCACGGCGCCTCAAGTATATATCCTTAGCTGTGCTGGTGGTCCAGAA
 TGCTCCCTCATCTCAGCATCCGCTACGCTCGCACACTGCCTGGGGACCGCTTCTTTGCCACCACTGCT
 GTGGTCATGGCTGAAGTGTCAAAGGTCTCACCTGTCTCCTGCTGCTCTTCGCACAAAAGAGGGGAATG
 TGAAGCACCTGGTCTCTCCTCCATGAGGCTGTCTGGTCCAATATGTGGACACACTCAAGCTTGGCGT
 GCCTCTCTCATCTATACCTTGCAGAATAACCTCCAGTATGTTGCCATCAGCAACCTGCCAGCTGCCACT
 TTCCAGGTGACATATCAGCTGAAGATCCTGACTACAGCGCTCTTCTCTGTGCTCATGTTGAATCGCAGCC
 TCTCACGCCTGCAGTGGCCCTCTCTGCTGCTGCTTCACTGGTGTGCGCCATTGTCCAGGCACAGCAAGC
 TGGTGGGAGTGGCCACGGCCACTGGATCAGAACCCGGGGGGGGCTTAGCGGCAGTTGTGGCCTCCTGT
 CTCTCCTCAGGCTTCGCTGGGTCTACTTTGAGAAGATCCTCAAAGGCAGCTCAGGTTCTGTGTGGCTTC
 GTAACCTACAGCTCGGCCTCTTTGGCACAGCGCTGGCCCTGGTGGGGCTCTGGTGGGCTGAGGGCACCGC
 CGTGGCCAGTCAAGGCTTCTTCTTTGGGTACACACCTGCTGTCTGGGGTGTAGTACTAAACCAAGCCTTT
 GGTGGGCTCTGGTGGCTGTTGTTGTCAAGTATGCTGACAACATCCTCAAGGGCTTGGCCACCTCCCTGT
 CTATTGTGCTGTCCACTGTTGCCTCCATTGCCTCTTTGGCTTCCACTGGACCCATTATTGGCCCTGGG
 CGCTGGGCTCGTATTGGTGTCTACCTCTACAGCCTTCCCCGAGGTGCAAGTCAAAGCCATAGCCTCG
 GCCTCGGCCTCTGGGCCCTGCATTACACAGCAGCCTCCTGGGCAGCCACCACCACCGCAGCTGTCTTCTC
 GAGGAGACCTCACACGGAGCCCTTTCTGCCAAAGTTGCTACCAAGGTGAAGGGGTCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR215856 representing NM_078484
Red=Cloning site Green=Tags(s)

MAAVGVGGSTAAAGAGAVSSGALEPGSTAAHRRLLKYISLAVLVVQNASLILSIRYARTLPGDRFFATTA
 VVMAEVLKGLTCLLLFAQKRGNVKHLVLFHEAVLVQYVDTLKLAVPSLIYTLQNNLQYVAISNLPAAAT
 FQVTYQLKILTTALFVLMNLSRLQWASLLLLFTGVAIVQAQQAGGSGPRPLDQNPAGLAADVASC
 LSSGFAGVYFEKILKSSGSVWLRNLQLGLFGTALGLVGLWVAEGTAVASQGFFFGYTPAVWGVVLNQAF
 GGLLVAVVVKYADNLIKGFATSLIVLSTVASIRLFGFHLDPFLFALGAGLVIGAVYLYSLPRGAVKAIAS
 ASASGPCIHQQPPGQPPPPQLSSRGDLTTEPFLPKLLTKVKGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9028_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_078484

ORF Size: 1179 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_078484.2](#), [NP_511039.2](#)

RefSeq Size: 1569 bp

RefSeq ORF: 1182 bp

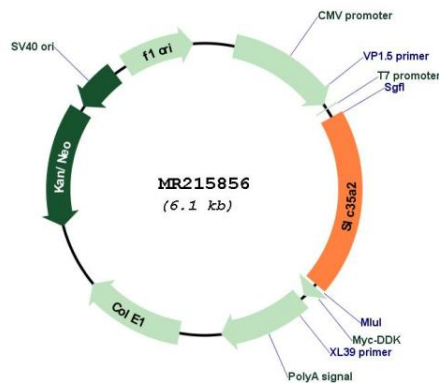
Locus ID: 22232

Cytogenetics: X 3.56 cM

MW: 41.5 kDa

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

Product images:



Circular map for MR215856