

## Product datasheet for **MG215856**

### Slc35a2 (NM\_078484) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Slc35a2 (NM\_078484) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Slc35a2  
**Synonyms:** AI327289; Had-1; Had1; Sfc8; Ugalt; UGT  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG215856 representing NM\_078484  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCAGCGGTTGGGTTGGTGGATCTACCGCTGCGGCCGGGGCTGGGGCTGTGCTCCTCGGGCGGTTGG  
 AACCTGGGTCCACTACAGCGGCTCACGGCGCCTCAAGTATATATCCTTAGCTGTGCTGGTGGTCCAGAA  
 TGCCTCCCTCATCTCAGCATCCGCTACGCTCGCACACTGCCTGGGGACCGCTTCTTTGCCACCACTGCT  
 GTGGTCATGGCTGAAGTGCTCAAAGTCTCACCTGTCTCCTGCTGCTCTTCGCACAAAAGAGGGGTAATG  
 TGAAGCACCTGGTCTTCTCCTCATGAGGCTGTCTGGTCCAATATGTGGACACACTCAAGCTTGGCGT  
 GCCTCTCTCATCTATACCTTGCAGAATAACCTCCAGTATGTTGCCATCAGCAACCTGCCAGCTGCCACT  
 TTCCAGGTGACATATCAGCTGAAGATCCTGACTACAGCGCTCTTCTCTGTGCTCATGTTGAATCGCAGCC  
 TCTCACGCCTGCAGTGGGCTCTCTGCTGCTGCTTCTCACTGGTGTGCGCCATTGTCCAGGCACAGCAAGC  
 TGGTGGGAGTGGCCACGGCCACTGGATCAGAACCCGGGGCGGGCTTAGCGGCAGTTGTGGCCTCCTGT  
 CTCTCCTCAGGCTTCGCTGGGTCTACTTTGAGAAGATCCTCAAAGGCAGCTCAGGTTCTGTGTGGCTTC  
 GTAACCTACAGCTCGGCCTCTTTGGCACAGCGCTGGGCTGGTGGGGCTCTGGTGGGCTGAGGGCACCGC  
 CGTGGCCAGTCAAGGCTTCTTCTTTGGGTACACACCTGCTGTCTGGGGTGTAGTACTAAACCAAGCCTTT  
 GGTGGGCTCTGGTGGCTGTTGTGTCAAGTATGCTGACAACATCCTCAAGGGCTTGGCCACCTCCCTGT  
 CTATTGTGCTGTCCACTGTTGCCTCCATTGCCTCTTTGGCTTCCACTGGACCCATTATTTGCCCTGGG  
 CGCTGGGCTCGTATTGGTGTCTACCTCTACAGCCTTCCCCGAGGTGCAAGTCAAAGCCATAGCCTCG  
 GCCTCGGCCTCTGGGCCCTGCATTCACCAGCAGCCTCCTGGGCAGCCACCACCACCGCAGCTGTCTTCTC  
 GAGGAGACCTCACCACGGAGCCCTTTCTGCCAAAGTTGCTACCAAGGTGAAGGGGTCG

ACCGTACGGCCGCTCGAG - GFP Tag - GTTAA



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**Protein Sequence:** >MG215856 representing NM\_078484  
 Red=Cloning site Green=Tags(s)

MAAVGVGGSTAAAGAGAVSSGALEPGSTTAAHRRLLKYISLAVLVVQNASLILSIRYARTLPGRFFATTA  
 VVMAEVLKGLTCLLLFAQKRGVNVKHLVFLHEAVLVQYVDTLKLAVPSLIYTLQNNLQYVAISNLPAAAT  
 FQVTYQLKILTTALFVSLMLNRSLSRLQWASLLLLFTGVAIVQAQQAGGSGRPLDQNPAGLAADVASC  
 LSSGFAGVYFEEKILKSSGSVWLRNLQLGLFGTALGLVGLWVAEGTAVASQGFFFGYTPAVWGVVNLQAF  
 GGLLVAVVVKYADNILKGFATSLIVLSTVASIRLFGFHLDPFLFALGAGLVIGAVLYSLPRGAVKAIAS  
 ASASGPCIHQQPPGQPPPPQLSSRGDLTTEPFLPKLLTKVKGS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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

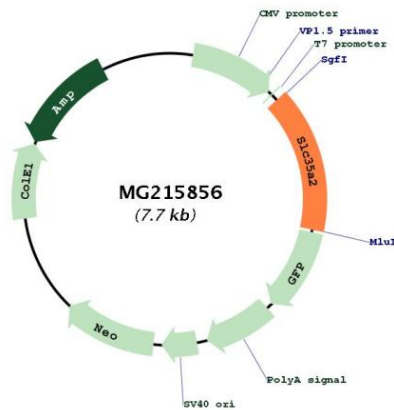
**RefSeq ORF:** 1182 bp

**Locus ID:** 22232

**Cytogenetics:** X 3.56 cM

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

**Product images:**



Circular map for MG215856