

Product datasheet for **RN205385**

Naglt1 (NM_176080) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Naglt1 (NM_176080) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Naglt1
Synonyms:	Mfsd4b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205385 representing NM_176080
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGAGTTCGGTCCGGGGCCACTGCTGTTGAGCAGCACCTCCTCCAGTCCGAGACCCAGGGAAGA
 ATGGGCTGCAGGCCACATCGAGTGACCAAGTGGGAAGAACAACACTGCGCTGGTTCACCACTGTGGTTCTGAA
 TGCTGCTTTCTGGGAATGGGAGTGAGCGCTGCTGTGCTGGGACCCACATTTCCAGACCTGGCCAGAAAC
 GTGAACCGGAACATCAGCAGCCTTTCCGAAATCTTCGTGGGCCGAGCCCTCGGCTACCTGGGCGGCTCTG
 TGGTTGGTGGGTGCTTTTCGACTGCATGAATCATTTTCTACTTTTGGGCTGTCCACCTGCTTACTGC
 GGCCGGTCTTTACCTCACTCCTTTCTGAAAACAGCTGCCTTACTGACTGCCATGATGTCTATTACCGGT
 GTCTCATTTGGTGTCTGGATACAGGTGGGAATGCTCATCTTGGACCTTTGGGGGACAAAGGAGCCC
 CACATATTCAGGCCTTGCACTTCAGTTTCGCCTTGGGTGCCTTCTGGCTCCCCTGCTGGCTAAATTGGC
 CTGGGGTACCACAGCATCTGCTCAGAACCACACAGAGCCTCAGTTAGACCGTTACGCCTTGAACCGATCC
 TTTGAAGCCGCTCAGACTCTGTGTTGGCGGTACCTGACGACATGAATCTTCTGTGGCGTACGCTTCCA
 TTGGAACCTATGTTCTAGTACTTCTGTCTTCTGTTTGTCTCCATTCTTTAAAAAGAGGTCAAAGCAGAA
 AAAATCCGACGCTCTGCTCAGGGAGCTCGAAGGGCTAAATACCACAGGGCCCTGCTATGCCTCCTCTTC
 CTCTTCTTCTTCTTCTACGTGGGAGCGGAGGTGACCTACGGCTCTTACGTATTCTCTTCGCCACCAACC
 ACGTTGGCATGGAAGAGAGCGAGGCAGCTGGCTTGAATCCATCTTCTGGGGACCTTCGCAGCTGCAG
 GGGCTGGCCATCTTCTTCGCAACGCTCTTACAGCCTGGGACCATGATGGTGTGTGTAACATTGGCAGC
 CTGGCCTCATCTTTCTTCTGGTGCTTTTGAAGAGCCCTCTTGCCTCTGGATCGCGTCTTCTGTGT
 ATGGAGCCTCAATGGCTGCCACGTTTCCAGCGCATCTCCTGGATTGAGCAGTACACCACCTTAACTGG
 GAAATCCGCTGCGTTTATTCTGGTTGGTCTGCCCTGGGACTAATGGCGACTCCTGCATTATCTGGAATT
 CTTAGGGACACTATCCCGATCTGCCAGTAATTCTGTACATGTGTCTGGGCTCAGCAGTATTAACAACCTG
 TGTATTCCCTGTGATGTATAAAGTAGCCACCTTACCTCTGGATCGAAAGCAGGAAAAAGCATCAACAG
 TGAGGGCCAGAAAATATTACTTTCTAGCTCTAGGCTAATCAAGGAAGCTAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_176080
- Insert Size:** 1455 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).
- 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_176080.2](#), [NP_788269.1](#)
RefSeq Size: 2173 bp
RefSeq ORF: 1455 bp
Locus ID: 337920
UniProt ID: [Q80T22](#)
Cytogenetics: 20q12
Gene Summary: Na⁺-dependent glucose transporter involved in tubular reabsorption of glucose [RGD, Feb 2006]