

## Product datasheet for **MC218775**

### Slc16a2 (NM\_009197) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc16a2 (NM_009197) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc16a2
Synonyms:	AW105741; Mct8; Xpct
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC218775 representing NM\_009197  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGCTGCCAAGCCCGCGAGCGAGGAAGCTGAGGGCCCTGTCAGGAGGCAAACCGGAATATCAGG  
 AGCCGGTGTGTAGTCCTGTGCCGAGCCGAGCCAGAGCCGAGCCGAACCGGAGCCTGACCCCGAGCC  
 GGTGCCAGTGCCCGCGAGCCTCAGCCTGAGCCCGAGCCCGAGCCCTACCCGATCCTGCACCCCTG  
 CCGGAGCTGGGCTTTGAGGCTGAGCCAGTGCAAGAACCCGAGCCACGCCACTGTGAAACCCGAGGCA  
 CCGCGCGTGGCTTTAGCCTCCCGAAGGTGGCTTCGGCTGGATAGTGGTGTTCAGCCACTGGTGCAA  
 CGGCTCCATCTTCGGCATCCATAACTCTGTTGGTATCCTCTACTCCATGCTACTAGAGGAGGAAAAAGAG  
 AAAAATCGCCAAGTGGAGTTCGAAGCAGCATGGTTCGGAGCCCTCGTATGGGCATGATCTTCTTCTGTT  
 CTCCATTGTGAGTATATCACTGACCGTTTGGGCTGCCGAATCACAGCCACCACCGGGGCCGCTGTTGC  
 TTTCAATTGGCCTCCACACAGCTCCTTACCAGCTCCCTAAGCCTGCGCTACTTACCTATGGGATTCTG  
 TTTGGTGTGGCTGCTCATTTCGCTTTCAACCATCACTCGTCATCCTGGGCCACTACTTTCAACGTGCC  
 TAGGTCTAGCCAATGGTGTGGTATCTGCTGGAAGTAGCATCTTCTCCATGCTTTTCCCTTCTCATCAA  
 AATGCTGGGGGATAAAATCAAGCTGGCCAAACCTTCCAGGTGCTGAGTACCTTCATGTTTGTCTTACG  
 CTGCTCTCACTCACTTACCGGCCCTCCTGCCAAGCTCCAGGACACCCCAAGCAAGAGAGGTGCCACACA  
 CCCTGGCAGACGCTTTCTGGTTCAGTTCAGAAAGTACTTCAACATGCGTGTATTCGCCAGCGCACTTA  
 CCGTATCTGGGCTTTGGGATCGCTGCTGCTGCCCTTGGTACTTCGTCGCCCTACGTGCACCTGATGAAA  
 TATGTGGAAGATAAGTTCAGGAGATCAAGGAGACCTGGGTGCTTTGGTGTGCATTGGGGCTACGTCAG  
 GCCTCGGACGCTCTGCTCGGGCCACATCAGTACTCCATCCCTGGACTTAAGAAGATATACTTGCAGGT  
 CCTCTCATTCTGCTCCTGGGCTTGATGTCCATGATGATCCTCCCTATGCCGGGACTTCGGGGCCTTATC  
 GTTGTCTGCCTCTTCTGGGCTATGTGATGGCTTCTTATTACCATCATGGCTCCCATTCATTGAGC  
 TGGTGGGACCCATGCAGGCCTCACAGGCCATTGGCTACCTCCTGGGCATGATGGCCCTGCCAATGATTGC  
 TGGGCCCCCATTCAGGCTCCTTCGAAACTGCTTTGGTATTACCATGTGGCCTTCTACTTTGCCGGT  
 GTCCCCCAATCATTGGAGCTGTGATCCTTTCTTCGTCCTCTGATGCATCAAAGGATGTTTAAGAAAG  
 AGCAGAGAGATTCAGCAAGGATAAGATGCTGTCCACGATCCAGACCCCAACGGAGAAGTGTGCCAGG  
 CTCCCCAACACCTGAAGAGCCATT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3041\\_e02.zip](https://cdn.origene.com/chromatograms/ja3041_e02.zip)

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_009197

**Insert Size:** 1638 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\\_009197.2](#), [NP\\_033223.2](#)

**RefSeq Size:** 4180 bp

**RefSeq ORF:** 1638 bp

**Locus ID:** 20502

**UniProt ID:** [O70324](#)

**Cytogenetics:** X 46.29 cM

**Gene Summary:** Very active and specific thyroid hormone transporter. Stimulates cellular uptake of thyroxine (T4), triiodothyronine (T3), reverse triiodothyronine (rT3) and diiodothyronine. Does not transport Leu, Phe, Trp or Tyr.[UniProtKB/Swiss-Prot Function]