

Product datasheet for **MC219887**

Slc2a12 (NM_178934) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc2a12 (NM_178934) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc2a12
Synonyms:	GLUT-12; Glut12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC219887 representing NM_178934
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTACCTGTTGAAAACACAGAGGGCCCAATCTGCTGAACCAGAAGGGGAGAGAGCGGAGACCGAAG
 GCAGCTGTGGAGCCAGCGCGGAGGGCATCCTGCCTGCGCGGAGGTCCCAGCATGTTTACGTTCCCTGAC
 ATCTGTTACTGCAGCCATCAGCGCCTCCTGGTGGTTATGAACTTGGGCTCATCTCTGGAGCTTCTCTG
 CAGATCAGAACGCTATTAGCCCTGACCTGCCACGAGCAGGAAATGGTTGTGAGTTCCTCCTCATCGGGG
 CATTCTCGCCTCTCTCACAGGAGCGTGCTCATAGACAGGTACGGAAGAAGGCTCGCCATAATCCTGTC
 ATCCTGCCTCCTAGGACTTGAAGCTTGGTCTTGATAATGAGTTTGTCTACACGCTCCTATAATGGGG
 AGAGTGGCTATAGGGTTCCATATCCCTGTCTCCATTGCCACGTGTGTACATTGCGGAAATGGCC
 CCCAACACAGAAGAGGACTTCTGTGTCGTTGAATGAGCTGATGATTGCTACTGGTATTCTTTGCCTA
 TATTTCAAATTATGCATTTGCCAACATCTCCAATGGTTGGAAGTATATGTTTGGCCTTGATCCCCTG
 GGAGTTCTGCAAGCAATAGCGATGACTTTCTTCCCCAAGTCCCTCGTTTCTGGTGATGAAGGGACAAG
 AGGAGTCGGCAGGCAAAGTCTCAGGAAGTTAAGAGTGATCTCAGACACCACTGAAGAACTCACTTTGAT
 CAAATCTTCTTGAAAGATGAGTATCAGTACAGTTTTTGGGATCTGTTTCGCTCTAAGGACAACATGAGG
 ACCAGAATCCTGATAGGTCTGACTGGTATTTTTGTCCAGACCACTGGGCAGCCAAACATACTATTCT
 ACGCATCAACTGTCTTGAAGTCTGTTGGCTCCAGAGCAATGAGGCAGCTAGCCTTGCCCTCACTGGGGT
 GGGAGTGGTCAAGGTGGTTAGCACTATCCAGCAACCCCTCTGTGGACCACATTGGCAGCAAAACCTTC
 CTCTGTATTGGCTCCTCCGTGATGTCCGCTTCACTGTTGACCATTGGCATTGTGAACCTCAACATCAATA
 TGAATTCACCAACATCTGCAGAAGCCATAGTCTTCTTAAACCAGTCCCTGGAGGAGTTTGTGTTCTATGC
 AACAGGAAACCTGTCAATTAGCAATAGCAGTCTCAGGGAGCACTTTAAAAGAATCACTCCCTACAGCAAG
 GGCTCGTTTATGCCCATGGGGAATGGCATGGAGCCGAAAGGGGAGATGACCTTACGTCGCTTTACCAA
 ATGCTGGACTGAGCCGAACCTGAACACCAGGGAGTCACAGACACTGCAGTCGTCCAGCTGCTTACAAATG
 GCTGTCCCTGGCCAGCTTGTGTTTATGTGGCTGCATTTTCAATTGGTCTGGGACCCATGCCTTGGTTG
 GTGCTTAGTGAGATCTTCCCGTGGAATTAGAGGCCGCGCCATGGCCCTGACATCTAGCATGAACTGGG
 GTGTCAACCTTCTCATCTTTTGACATTTCTGACAGTACTGATCTTATTGGTTTGCATGGGTATGCTT
 CATATACACAATCATGAGTCTGGCATCGCTGGCTTTTGTGTTCTGTTTATACCTGAGACTAAGGGATGC
 TCTTTGGAACAAATATCAGTGGAGCTAGCAAAGGCGAACTATGTGAAAAACAACATTTGTTTATGAGTC
 ATCACCAGGAAGAATTAGTGCCAACACAGCTTCAAAAACGAAAGCCCCAAGAGCAGCTCCAGAGTGTA
 CCACCTGTGTGAAGGGGACAGTCAACCGCCCTCGCCAGACACCT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_178934
Insert Size: 1869 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_178934.4](#), [NP_849265.2](#)

RefSeq Size: 3762 bp

RefSeq ORF: 1869 bp

Locus ID: 353169

UniProt ID: [Q8BFW9](#)

Cytogenetics: 10 A3

Gene Summary: Insulin-independent facilitative glucose transporter.[UniProtKB/Swiss-Prot Function]