

Product datasheet for **MC221338**

Slc45a1 (NM_173774) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Slc45a1
Synonyms:	C230078B22; Dnb5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>MC221338 representing NM_173774

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCCCCCAGCAAGCAGCACCCCTCCGGGAGAGGCCGTATCCCCAGTGTGGCTCCTCAGGACTTCT
GGAGGTCTCCCATCTCCAGCTACTCAGGGTCCGTGACAGGACACATCAGCCACCGGGCCAACAACCTCAA
ACGCCACCCCAAGAGAAGGAAGTACATTGCGCCCTCTCCGCCCAACCCCAACACCCATGTCCCATC
GAGCTGGTGGACTTTGGGGACTTGCACCCACAGAGGTCTTTTGGGAAGTGTCTTCAATGGCTGCATTC
TGTTTGGTATCGAATTCAGCTACGCCATGGAGACCGGTACGTGACTCCGGTACTCCTGCAATGGGCT
GCCAGACCAGCTCTACAGCCTAGTGTGGTTCATCAGCCCCATCCTCGGATTCTTGCTGCAGCTCTGTTG
GGTGCCTGGAGTGACCGATGTACCTCAAGTTTGAAGGAGACGCCCTTTCATTCTTGCTGCGCATAG
GGGACTGCTGGGCTTTCGCTCTTGCTCAATGAAGGACATTGGCATGGCTTGGCTGACACAGCCAC
CAACCACAAGTGGGCATCCTCCTGACAGTGTGCGGGTGGTGTGATGGAATTCAGTGCAGACTCTGCA
GATAACCCAGCCACGCCCTACATGATGGATGTGTGCGGCCCGGTAGACCAGGACCGAGGCCTGAACATCC
ATGCCCTCATGGCGGTCTTGAGGCGGGTTGGCTATGTGGTGGAGGCATCCATTGGGACAAGACCAG
CTTCGGGAGGGCCTGGGGGCGAGCTCCGTGTCTATGTCTTCACTGCCATAACCTGAGTGTACAC
ACCGTGCTCACCCTGATTAGCATCCCCGAGAGACCCCTTCGGCCCTGGGGGAGAAGAGGACAGCTATGA
AGAGCCCAAGCCTCCATTGCCCCCTCCCACTGTCTGTTGGAGGAGGGGCTGGTGACGCCCTTCC
CTCTACTACAGCCACGAGCTGTACGCCAGCTTCTCCAGCCCATCTCCCAACCCAGCCGCTCACCCTC
AAGTATGGCAGTTCATCAGCAGGACAGTCCCTCACAGGCATCAATGAGTTCGCATCATCTTTGGCA
CCTCCAACATAGACAGCGTCTCATTGACTGTTTCACAGCGGGCCATGACAATTACTTGGCTCTCCCA
CAGTGTCCCGAGGACGCCATCAGTGTGAGCTTTCGCCGGGCCCGATGGCTTCTACTGCCAGGAGAGG
GGGCTGGAGAGGAGAGAGGGACCCCTCACCTTGGGCTCGGATGGAGATGTGCTAAGAGTAGGCTCTCTGG
ACACCTCAAAGCCACGGGCTCGGGATCCTGAAGAGGCCCGAGACCTTGGCTCTCCAGATGTGGCTGG
AGGAAATGGCCCTGAAACCAGCAGAAGAAGGAATGTGACCTTCAGCCAACAGGTCGCAACATTCTCCTG
AACGGTGTGAAATATGAGAGCGAGCTGACGGGCTCCAGCGAGCAGTCGGAGCAGCCACTGTCTCTCGGC
ATCTCTGTTCCACCATCTACAATATGCCCAAGGCGCTGCGCAATCTCTGTGTCAATCACTTTCTGGGGT
GCTCTCATTGAGGGCATGCTGCTCTTTACACGACTTCATGGGCGAGGTGGTGTCCAGGAGACCCA
AAGGCACCGCACAGTCGGAAGCATATCAGAAGTACAACAGCGGTGTACCATGGGCTGCTGGGCATGT
GCATCTATGCCTTCAGTGCAGCCTTCTACTCAGCTATCCTGGAGAACTGGAGGAGTGTCTGAGCGTCCG
CACCCTCTACTTTCATCGCTACCTCGCTTCCGCTGGGACCGGGTTGGCCACCCTCTCCAGGAATTG
TACGTGGTCTGTCCCTCTGCACCCTATGGCATCCTGTTTTCCACGCTCTGCACCCTGCCCTACTCCC
TGCTCTGTGATTACTACCAGAGTAAGAAGTTTGCAGGGTCCAGTGGGATGGCACACGGCGTGGCATGGG
CGTAGACATCTCGCTGCTTAGCTGCCAGTACTTTCTGGCTCAGATCCTTGTCTCTGGTCTGGGCGCC
CTGACCTCAGCTGTTGGCAGTGCCATGGTGTGATGTAATCTCCAGCCTCGTGTCTTCTCGGCTGCC
TCTACTCTTCCCTGTGTGTACCTACGAATTCCTTCTGTTGATGCAGCCGATGAGGAGCGCCAGCCCT
CCTGTTGAATGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_173774

Insert Size:

2256 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_173774.3</u> , <u>NP_776135.2</u>
RefSeq Size:	2573 bp
RefSeq ORF:	2256 bp
Locus ID:	242773
UniProt ID:	<u>Q8BIV7</u>
Cytogenetics:	4 E2
Gene Summary:	Proton-associated glucose transporter in the brain.[UniProtKB/Swiss-Prot Function]