

Product datasheet for **MR209576**

Slc6a12 (NM_133661) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a12 (NM_133661) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc6a12
Synonyms:	BGT1; Gabt2; GAT-2; GAT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209576 representing NM_133661
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATCAAGAGCTTGGGAAGAAAGGGCTCCCTATCCAGTATGGACAGGAAGGTTGCAGTCCATGAAG
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 GAAGGATCGTGGCCAATGGACCAACAAGATGGAGTTTGTGCTGTCAAGTGGCTGGAGAGATCATTGGCTTA
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 TCTTCTTCTCAGCTGTGGCATCCAGTGTCTTCTGGAGGTGGCACTGGCCAGTATAGCAGCCAGGG
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 CCTGGATTATCTGCTACTTCTGCATCTGGAAGGGGTCAGTCCACAGGCAAGGTTGTTACTTACAGC
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 GAAGACTCATCACACCAGACCCAGTCTGCCCCAGCCAGGGCGGCCACCACAGGATGGCTCCTCTG
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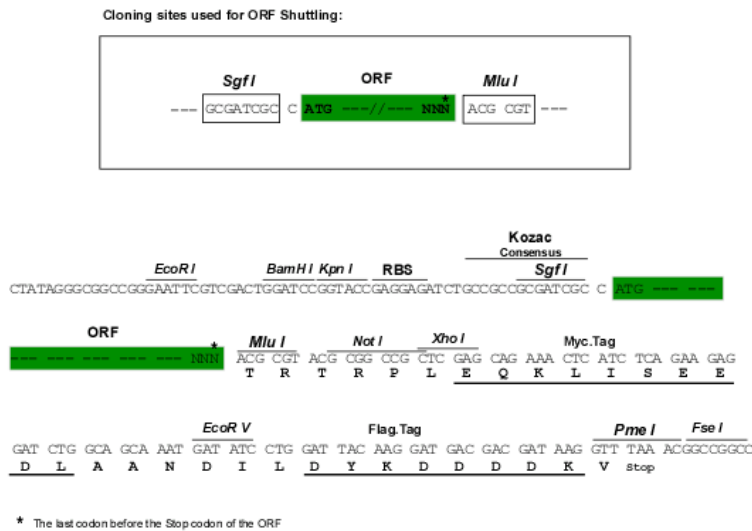
Protein Sequence:

>MR209576 representing NM_133661
 Red=Cloning site Green=Tags(s)

MSSRAWEERASLSSMDRKVAVHEDGYPVSWVPEEGEMMDQKQKQVQKDRGQWNTNKMFLSVAGEIIGL
 GNVWRFPYLYKNGGGAFFIPYFIFFFSCGIPVFFLEVALGQYSSQGSVTAWRKICPLLQIGMASVVIE
 SYLNIIYYIIILAWALFYLFSSFTWELPWTCTNSWNTEHCVDLNLHSSARGVSSSENFTSPVMEFWERRV
 LGITSGIHDLGSLRWELALCLLLAWIICYFCIWKGVKSTGKVVYFTATFPYMLIILLIRGVTLPAYQG
 IVFYLPDILLRLKDPQVWMDAGTQIFFSFAICQGLTALGSYNYHNCCYRDSIALCFLNSATSFVAGFV
 VFSILGFMSQEQIPISEVAESGPLAFIAFPKAVTMMPLSQLWSCLFFIMLLFLGLDSQFVCMELVTA
 SMDMFPQQLRKSGRRELLILAISVLCYLMGLLLVTEGGMYIFQLFDYASSGICLLFLSLFEVICIGWVY
 GADRFYDNVEDMIGYRPWPLVKISWFLTPGLCLATFFFSLSKYTPLKYNVYMYPSWGSYISWLLAFSS
 MACVPLFIIITFLKQGSFKRLRRLITPDPSPLPQGRPPQDGSSAQNCSSSPAKQELIAWEKETHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9027_c12.zip
 Restriction Sites: SgfI-MluI
 Cloning Scheme:



ACCN: NM_133661
 ORF Size: 1884 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.

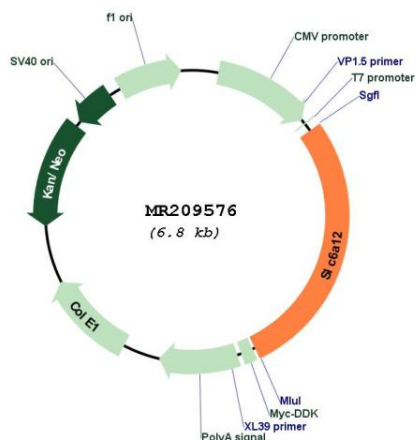
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_133661.3](#), [NP_598422.2](#)
 RefSeq Size: 2563 bp
 RefSeq ORF: 1887 bp

Locus ID: 14411
 Cytogenetics: 6 F1
 MW: 71.7 kDa

Product images:



Circular map for MR209576