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Product datasheet for SC328858

SLC38A6 (NM_001172702) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC38A6 (NM_001172702) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC38A6
Synonyms:	NAT-1; SNAT6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

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>SC328858 representing NM_001172702.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGCGTCCTGGGGGAGCTTCAACGCTGAGCGGGGCTGGTATGTCTCTGTCCAGCAGCCTGAAGAA
GCGGAGGCCGAAGAGTTGAGTCCGTTGCTAAGCAACGAACTTCACAGACAGCGATCCCCAGGTGTTTCA
TTTGGTTTATCAGTGTTTAATTTGATGAATGCCATCATGGGAAGTGGCATCCTTGGCTTAGCTTATGTT
TTGGCTAATACCGGTGTCTTTGGATTTAGCTTCTTGCTGCTGACAGTTGCTCTCCTGGCTTCTTACTCA
GTCCATCTTCTGCTTAGTATGTGTATTCAGACAGCTGTAACATCTTATGAAGATCTTGGACTCTTTGCA
TTTGGATTACCTGGAAAGTTGGTGGTGGCAGGCACCATAATAATTCAGAATATTGGAGCTATGTCATCT
TATCTTTTAATTATTAAAACAGAGCTTCCTGCTGCTATTGCAGAATTTTTGACTGGAGACTATAGTAGA
TATTGGTATCTTGATGGACAAACACTACTAATAATCATATGTGTTGGCATTGTGTTCCCTCTTGCACTT
CTTCCCAAAATAGGCTTTCTTGGCTACACAAGTAGTTTATCATTTTTCTTTATGATGTTCTTTGCTCTT
GTGGTAATAATTAAAAAATGGTCCATCCCTTGTCCTCTGACATTAAATTATGTAGAGAAAGGTTTCCAG
ATTTCAAATGTTACAGATGATTGTAAGCCAAAGCTCTTTCATTTCTCCAAAGAGAGTGCTTATGCCTTA
CCAACCATGGCTTTTTCATTTCTCTGCCATACCTCAATATTGCCCATATACTGTGAACTTCAAAGTCCT
TCAAAGAAAAGAATGCAGAATGTTACCAATACAGCAATTGCTTTAAGTTTTCTCATTTATTTTATATCT
GCACTCTTTGGGTACCTCACTTTTTATGACAAAGTGGAGTCAGAATTACTAAAAGGTTATAGTAAATAC
TTATCACATGATGTTGTTGTCATGACTGTGAAGTTATGCATACTATTTGCTGTGCTTTTGACAGTCCCT
CTAATCCACTTCCCTGCCAGAAAAGCTGTAACAATGATGTTTTTCTCCAATTTTCCATTCTCATGGATT
CGCCATTTTTTGATCACTCTAGCACTCAATATTATCATCGTTTTACTTGCAATATATGTTCCTGACATT
AGAAATGTATTTGGTGTAGTTGGTGCCAGTACATCAACATGTTTGATTTTTATATTCCCAGGACTATTT
TATCTTAAACTTAGCAGAGAGGATTTTCTGTCATGGAAAAAGCTTGGGGGTCTCATTCTGTCGCACAGG
TTGGCGTGCAGTGGTGTGATCTCAGCTCATTGCAACCTCTGCCTCCCGGACTCAAGCAATCCTCCCACC
TCAGCCTCCAGAGTAGCTGAGACTACAGGAAGAGATACCATGGAGATGTGCACCCAGAGGAAAGGCCAC
GCAAGGACACAGCAAGAAGGCAACTGTTTACAAGCCAAGGGAAGAGGCCTCAGGAGAACCAAACGTGTC
CACACCTTGATCTTGCACTTCCCAACCTCCAGAACTGTGAGCAAATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

ACCN: NM_001172702

Insert Size: 1566 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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).

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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_001172702.1
RefSeq Size:	1766 bp
RefSeq ORF:	1566 bp
Locus ID:	145389
UniProt ID:	Q8IZM9
Cytogenetics:	14q23.1
Protein Families:	Transmembrane
MW:	57.9 kDa
Gene Summary:	Probable sodium-dependent amino acid/proton antiporter, could be a neuronal transporter for glutamate.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest coding transcript and encodes the longer isoform (1).

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