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Product datasheet for SC304067

SLC6A7 (NM_014228) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SLC6A7
Synonyms:	PROT
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

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>OriGene sequence for NM_014228 edited
ATGAAGAAGCTCCAGGGAGCTCACCTCCGCAAGCCTGTCACCCCAGACCTGCTGATGACC
CCCAGTGACCAGGGCGATGTCGACCTGGATGTGGACTTTGCTGCACACCGGGGGAACTGG
ACAGGCAAGCTGGACTTCCTGCTGTCCTGCATTGGCTACTGTGTAGGCCTGGGGAATGTC
TGGCGCTTCCCCTATCGAGCGTACACCAATGGAGGAGGCGCCTTCCTCGTGCCCTACTTC
CTCATGCTGGCCATCTGTGGCATCCCCCTCTTCTTCCTGGAGCTCTCCCTGGGCCAGTTC
TCCAGCCTAGGGCCCCTGGCTGTCTGGAAAATCAGCCCTCTCTTCAAAGGCGCCGGCGCA
GCCATGCTGCTCATCGTGGGCTTGGTGGCCATCTACTACAACATGATCATCGCCTACGTG
CTCTTCTACCTCTTCGCCTCCCTCACCAGCGACCTACCCTGGGAGCACTGTGGCAACTGG
TGGAACACAGAACTCTGCCTGGAGCACAGAGTCTCCAAGGACGGCAACGGGGCCCTGCCC
CTCAACCTCACCTGCACCGTCAGCCCCAGCGAGGAGTACTGGAGCCGCTACGTCCTCCAC
ATCCAAGGCAGCCAGGGCATCGGCAGCCCTGGGGAGATCCGCTGGAACCTCTGCCTCTGC
CTGCTGCTGGCCTGGGTCATCGTGTTCCTCTGTATCCTCAAGGGTGTGAAGTCTTCGGGC
AAGGTGGTGTATTTCACGGCCACGTTCCCCTACCTCATCCTGCTCATGCTGCTGGTCCGC
GGAGTCACCCTCCCAGGGGCCTGGAAGGGCATCCAGTTCTATCTCACCCCCCAGTTCCAC
CACTTGTTGTCTTCCAAGGTGTGGATTGAAGCTGCTCTTCAGATCTTCTATTCCCTGGGT
GTGGGCTTCGGGGGGCTCCTCACCTTTGCCTCCTACAACACGTTTCACCAGAACATCTAT
AGAGACACTTTCATCGTCACTCTGGGCAACGCCATCACCAGCATCCTGGCTGGCTTTGCC
ATCTTCTCCGTGCTGGGCTACATGTCTCAGGAGCTGGGCGTGCCTGTGGACCAAGTAGCC
AAAGCAGGCCCTGGCCTGGCCTTTGTCGTCTACCCACAGGCCATGACCATGCTGCCTCTG
TCACCCTTCTGGTCCTTTCTCTTCTTCTTCATGCTTCTGACTCTCGGCCTAGATAGCCAG
TTTGCTTTTCTGGAGACCATTGTGACAGCTGTGACAGATGAGTTCCCATACTACCTGCGG
CCCAAGAAGGCGGTGTTCTCAGGGCTCATCTGCGTGGCCATGTACCTGATGGGGCTGATC
CTCACCACTGATGGGGGCATGTACTGGCTGGTCCTTCTGGATGACTACAGCGCCAGCTTC
GGGCTGATGGTGGTGGTTATCACCACGTGCCTTGCCGTGACACGGGTGTATGGCATTCAG
AGGTTCTGCCGAGACATCCACATGATGCTGGGCTTCAAGCCGGGCCTCTACTTCAGGGCC
TGCTGGCTGTTCCTGTCCCCAGCCACGCTCTTGGCCCTCATGGTGTATAGCATCGTCAAG
TACCAGCCCTCGGAGTATGGCAGTTACCGCTTCCCGCCCTGGGCTGAGCTGCTGGGCATC
CTGATGGGCCTGCTGTCCTGCCTCATGATCCCAGCTGGCATGCTGGTGGCTGTGCTTCGA
GAAGAGGGCTCACTCTGGGAGCGGCTCCAACAGGCCAGCCGGCCGGCCATGGACTGGGGA
CCATCGCTGGAGGAGAACCGGACGGGCATGTATGTGGCCACGCTGGCTGGGAGCCAGTCA
CCAAAGCCACTGATGGTGCACATGCGCAAGTACGGGGGCATCACCAGCTTCGAGAACACG
GCCATCGAGGTGGACCGTGAGATTGCAGAGGAGGAGGAGTCGATGATGTGA
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Restriction Sites: Please inquire

ACCN: NM_014228

Insert Size: 1900 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).

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:	NM_014228.2, NP_055043.1
RefSeq Size:	3756 bp
RefSeq ORF:	1911 bp
Locus ID:	6534
UniProt ID:	Q99884
Cytogenetics:	5q32
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene is a member of the gamma-aminobutyric acid (GABA) neurotransmitter gene family and encodes a high-affinity mammalian brain L-proline transporter protein. This transporter protein differs from other sodium-dependent plasma membrane carriers by its pharmacological specificity, kinetic properties, and ionic requirements. [provided by RefSeq, Jul 2008]