

Product datasheet for **SC314128**

SLC6A20 (NM_020208) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC6A20 (NM_020208) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC6A20
Synonyms:	IMINO; SIT1; XT3; Xtrp3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_020208 edited
 ATGGAGAAAGCGCGGCCCTGTGGGCCAACTCGCTACAGTTTCGTGTTTCGCCTGCATCTCG
 TACGCCGTGGGCTGGGCAACGTGTGGCGATTCCCGTACCTGTGCCAGATGTACGGCGGA
 GGTAGTTTCTGGTCCCCACATCATATGCTTATCGTGGAGGGAATGCCGCTCTGTAC
 CTGGAACCTGGCTGTGGGGCAGCGCATGCGGCAGGGCAGCATCGGCGCCTGGAGGACCATC
 AGCCCGTACCTCAGTGGTGTGCGGGTCCGACGCTGGTGGTCTCTTTCTCTCTCCATG
 TACTACAACGTCATCAACGCCTGGGCTTCTGGTACCTTCCACTCCTTCCAGGATCCC
 CTGCCGTGGTCTGTGCCCCACTGAATGGTAACACACGGGCTACGATGAGGAGTGCGAG
 AAGGCGTCTCCACACAGTACTTCTGGTACAGGAAAACCCTCAATATCTCGCCGTCCCTC
 CAGGAGAACGGGGGTGTGCAGTGGGAGCCGGCGCTGTGCCTCCTCTGGCCTGGCTGGT
 GTGTACCTGTGCATCCTGCGTGGCACCAGTCCACTGGCAAGGTGGTGTATTTACGGCG
 TCACTGCCCTATTGCGTGTCTATCATCTACCTCATCAGGGGCTCAGCTCCACGGAGCC
 ACCAATGGCCTCATGTACATGTTCACTCCCAAGATAGAGCAGCTGGCCAACCCCAAGGCC
 TGGATCAATGCAGCCACCAGATCTTCTTCTCACTTGGCCTGGGCTTCGGCAGCCTGATC
 GCCTTCGCCAGCTACAATGAGCCATCCAACAACGCCAGAAGCAGCCATCATCGTGTCC
 TCATCAACAGCTTACCTCCATATTTGCCAGCATTGTCACCTTCTCCATCTATGGCTTC
 AAGGCCACCTTCAATTATGAAAACCTGCTTGAAGAAGGTGAGTCTGCTGCTGACCAACACT
 TTTGACCTTGAAGATGGCTTTTTGACAGCCAGCAACCTGGAGCAGGTGAAGGGTACCTC
 GCATCTGCCTACCCAAGCAAATACAGCGAGATGTTCCCGCAAATCAAAAACCTGCAGCTTG
 GAATCGGAGCTAGACACGGCCGTCCAGGGCACTGGCCTGGCATTTCATCGTCTACACAGAG
 GCCATTAACAACTGGAGGTGTCCAGCTGTGGTGGTGTCTACTTCTCATGTGTGCTG
 ATGCTGGGCACTGGGAGCATGCTGGGGAACACAGCGGCCATCCTCACCCCTCTGACAGAC
 AGCAAGATCATCTCCAGCCACCTGCCAAGGAGGCCATCTCAGGTCTGGTGTGCCTTGT
 AACTGTGCCATTGGCATGGTGTTCACGATGGAGGCTGGGAACTACTGGTTTGACATATTC
 AACGACTACGCGGCCACACTGTCCCTGCTGCTCATCGTGTGGTGGAGACGATTGCCGTG
 TGCTACGTGTACGGGCTGAGGAGATTTGAAAGTGACCTTAAGGCCATGACCGGCCGAGCT
 GTGAGCTGGTACTGGAAGGTGATGTGGGCTGGCGTAAGCCCACTGCTGATTGTCAGCCTC
 TTTGTCTTCTACCTGAGCGACTACATCCTCACGGGGACCCTGAAGTATCAAGCCTGGGAC
 GCCTCCCAGGGCCAGCTCGTGACCAAAGATTACCCGGCCTATGCACTGGCTGTATCGGG
 CTGCTTGTGGCCTCCTCCACCATGTGCATCCCCCTGGCGGCCCTGGGACTTTTGTTCAG
 CGTCGCCCTCAAGAGGGGAGACGCAGACCCCGTGGCCTGA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_020208 unedited
 GATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACCAGCGGCGGGAGGC
 GCGGGGCCACCCCAAGCCGAGCCGGGTGGGACGGCGCCCTGGCGACCAGCGCACTGAG
 ACTGCCGTGCCGACCCCGAGCCGAGCCGAGCGCCGAGCCGGGGCCATGGAGAAA
 GCGCGCCGCTGTGGGCAACTCGCTACAGTTTCGTGTTTCGCCTGCATCTCGTACGCCGTG
 GGCTGGGCAACGTGTGGCGATTCCCGTACCTGTGCCAGATGTACGGCGGAGGTAGTTTC
 CTGGTCCCTACATCATATGCTTATCGTGGAGGGAATGCCGCTTGTACTGGAACCTG
 GCTGTGGGACAGCGCATGCGGCAGGGCAGCATCGGCGCCTGGAGGACCATCAGCCCGTAC
 CTCAGTGGTGTGGGGTCCGACGCTGGTGGTCTCTTTCTTCTCTCCATGTACTACAAC
 GTCATCAACGCCTGGGCTTCTGGTACCTTCCACTCCTTCCAGGATCCCCTGCCGTGG
 TCTGTCTGCCACTGAATTGGTAACACACGGGGCTACNATGAGGAGTGCCAGAAGGGCG
 TCCTCCACACAGTACTTTCTGTACAGGAAAACCCTCATTATCTCGCCGCTCCTCAGGAGA
 ACACGGGGTGTGCAATTGGGAGCCCGCGCTGTGCCTCCTCTGGCCCTGGCCGGTGGTGT
 ACCTGGTGCATCCTGCCTTGCCACCGAGTCCATTGGAAGGGTGGTATTACGCCGTCCC
 TGCCCTATTGCTTGTATCATCTAACTATTAGGGCCTCAGCCC

Restriction Sites: Please inquire
ACCN: NM_020208
Insert Size: 2000 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:	<ol style="list-style-type: none">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_020208.2 , NP_064593.1
RefSeq Size:	5350 bp
RefSeq ORF:	1779 bp
Locus ID:	54716
UniProt ID:	Q9NP91
Cytogenetics:	3p21.31
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>Transport of small hydrophilic substances across cell membranes is mediated by substrate-specific transporter proteins which have been classified into several families of related genes. The protein encoded by this gene belongs to the sodium:neurotransmitter symporter (SNF) family and functions as a proline transporter expressed in kidney and small intestine. Mutations in this gene are associated with Hyperglycinuria and Iminoglycinuria. [provided by RefSeq, Jul 2020]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>