

Product datasheet for **SC317647**

SLC22A23 (NM_021945) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A23 (NM_021945) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC22A23
Synonyms:	C6orf85
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_021945, the custom clone sequence may differ by one or more nucleotides <pre> ATGTTTCAGCACACTCAGGTTCTTTGAAGGATTTTGCTGGCTGGAATCATTCTCACCTTG TATGCTTTACGAATAGAGCTGTGCCCCCTGGAACCGGTTTCATGATTACGATGGTGGCG AGCTTCGTGGCCATGGCGGGCCAGTTCCTCATGCCTGGGCTAGCCGCCCTGTGCCGGAT TGGCAGGTGCTGCAGGCCCTCATCATCTGCCCCCTCTGCTCATGCTGCTCTACTGGTCG ATATCCCCGAGTCCCTCCGGTGGCTAATGGCCACCCAGCAGTTTGAGTCTGCAAAGAGG CTGATCTCCACTTCACACAGAAGAATCGCATGAACCCTGAGGGCGACATCAAGGGTGTG ATACCAGAGCTGGAGAAAGAGCTTTCCCGAGGCCCAAGAAGGTCTGCATCGTGAAGGTG GTGGGGACACGGAACCTGTGGAAGAACATTGTGGTCCTGTGTGTGAACCTGCTGACGGGG TACGGGATCCACCACTGCTTTGCCAGGAGCATGATGGGCCACGAGGTGAAGGTGCCGCTC CTGGAGAACTTCTATGCTGACTACTATACCACGGCCAGCATCGCGCTGGTGTCTCTGCCTG GCCATGTGCGTGGTGGTCCGATTCTCGGGCGCAGGGGAGGGCTGCTGCTCTTCATGATC CTCACCGCCCTGGCCTCACTCCTGCAGCTCGGCCCTCTCAACCTGATTGGAAAGTACAGC CAGCACCCAGACTCAGGGATGAGTGACAGCGTCAAGGACAAATTTCCATCGCGTTTTCC ATCGTGGGCATGTTTGCCTCCCATGCGGTGGGGAGCCTCAGCGTGTTCTTCTGTGCGGAG ATCACCCCGACGGTGATAAGGTGTGGCGGGCTGGGGCTGGTGTGCTGGCCAGCGCGGGCTTC GGCATGTGTGACGGCACCCATCATCGAGCTGCACAACCAGAAAGGCTACTTCTGCACCAC ATCATCTTTGCCTGCTGCACGCTCATCTGCATCATCTGCATCCTCCTGCTGCCCCGAGAGC AGGGACCAGAACCTGCCTGAGAACATTTCTAACGGGGAGCACTACACGCGCCAGCCGCTG CTGCCGCACAAGAAGGGGGAGCAGCCACTGCTGCTACCAACGCCGAGCTCAAGGACTAC TCGGGCCCTCCACGATGCCGCAGCCGCGGGTGACACACTGCCCCAGGGTGCCACGGCCAAC GGCATGAAGGCCATG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_021945
Insert Size:	5945 bp



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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.
RefSeq:	NM_021945.4 , NP_068764.3
RefSeq Size:	5945 bp
RefSeq ORF:	1218 bp
Locus ID:	63027
UniProt ID:	A1A5C7
Cytogenetics:	6p25.2
Protein Families:	Transmembrane
Gene Summary:	SLC22A23 belongs to a large family of transmembrane proteins that function as uniporters, symporters, and antiporters to transport organic ions across cell membranes (Jacobsson et al., 2007 [PubMed 17714910]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (2) contains alternate 5' exon structure and it thus differs in the 5' UTR and initiates translation at a downstream in-frame start codon, compared to variant 1. The resulting isoform (b) has a shorter N-terminus, compared to isoform a. Both variants 2 and 3 encode isoform b.