

Product datasheet for **SC112890**

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
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_021945, the custom clone sequence may differ by one or more nucleotides

ATGTTTCAGCACACTCAGGTTCTTTGAAGGATTTTGCCTGGCTGGAATCATTCTCACCTTGTATGCTTTAC
 GAATAGAGCTGTGCCCCCTGGAAAACGGTTCATGATTACGATGGTGGCGAGCTTCGTGGCCATGGCGGG
 CCAGTTCCTCATGCCTGGGCTAGCCGCCCTGTGCCGGGATTGGCAGGTGCTGCAGGCCCTCATCATCTGC
 CCCTTCCTGCTCATGCTGCTCTACTGGTCGATATTCCTCGAGTCCCTCCGGTGGTAATGGCCACCCAGC
 AGTTTGAGTCTGCAAAGAGGCTGATCCTCCACTTCACACAGAAGAATCGCATGAACCTGAGGGCGACAT
 CAAGGGTGTGATACCAGAGCTGGAGAAAGAGCTTCCCGAGGCCCAAGAAGGTCTGCATCGTGAAGGTG
 GTGGGGACACGGAACCTGTGGAAGAACATTGTGGTCCTGTGTGGAACCTGCTGACGGGGTACGGGATCC
 ACCACTGCTTTGCCAGGAGCATGATGGGCCACGAGGTGAAGGTGCCGCTCCTGGAGAACTTCTATGCTGA
 CTACTATACCACGGCCAGCATCGCGCTGGTGTCTGCCTGGCCATGTGCGTGGTGGTCCGATTCTCGGG
 CGCAGGGGAGGGCTGCTGCTCTTCATGATCCTCACCGCCTGGCCTCACTCCTGCAGCTCGGCCTCCTCA
 ACCTGATTGGAAGTACAGCCAGCACCCAGACTCAGGGATGAGTGACAGCGTCAAGGACAAATTTCCAT
 CGCGTTTTCCATCGTGGGCATGTTTGCCTCCCATGCGGTGGGGAGCCTCAGCGTGTCTTCTGTGCGGAG
 ATCACCCGACGGTGATAAGGTGTGGCGGGCTGGGGCTGGTGTGCGCCAGCGCGGCTTCGGCATGCTGA
 CGGCACCCATCATCGAGCTGCACAACCAGAAAGGCTACTTCTGCACCACATCATCTTGCCTGCTGCAC
 GCTCATCTGCATCATCTGCATCCTCCTGCTGCCGAGAGCAGGGACCAGAACCTGCCTGAGAACATTTCT
 AACGGGGAGCACTACACGCGCCAGCCGCTGCTGCCGCACAAGAAGGGGGAGCAGCCACTGCTGCTACCA
 ACGCCGAGCTCAAGGACTACTCGGGCCTCCACGATGCCGAGCCGCGGGTGACACACTGCCCGAGGGTGC
 CACGGCCAACGGCATGAAGGCCATGTAG


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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021945 unedited
 GGTCACAAATTTGTATACGACTCACTATAGGCGGCCGCAATCGGCACGAGGGCCCAAGG
 CGACTAAGAGACAGCCTCCTTGGCAAGGCGAGGACCACCTTTGTAGCAACTTGGGCACCA
 GCTTTTCTGGACAGCCTGGCTTCTTACTGGCATTGTCCAACCTCATCCCTTCTCGAAGCAT
 GTCTTTGCCATGGGCTGTGTCTTCCAGGAAATTGTGGTCTCGAGCCTGGGTGAGACAA
 TGAAGTGACTTCCAACCGACAGTTGCTAGAATTCACAGGGCAGAAAAGGGTTGACCTTC
 TCCCTTCTGGCTTTCCACCCGGCCTGCTGCTTGTGTCGCCACTCATGTCTCTCCACA
 TCGGTCACACATCAGTAAGGGCCTGGAGATGTGTAAGACACAGCAAGGGGCAAGCAG
 ACTCTTGCCACGTGTTTCCAGTGGCTGGACCACGCCGACACCTGGGATCTTGAGATACC
 CAGGAAGGGAGGCTGTCTGGCCAGCCTCTCCCTGCCTCCACTTGTCCACGTCCAGCTCA
 TCCTCACCTTCCCTCTTTTAAAGTCACATTTCCATGTTTCAACATTAGTTTGATTCA
 CCTTTACAAAGGCCTTTCTTTAGATCTGTGCAGCCTTTGCGTGCCAACTTGTGAAATTC
 CTTTTACCTTTTTTGGAGTACTTGCTATAAAGCCACCTGTCAACAAACCCCATTTATGTA
 CAGCATAGGACCTATCCAGTATCCCGGCCACTATGCCAGTGGGGGAAGGTGGGAAAGATC
 CAGCGAAGCCCTGCACCCGACCTGAACAGTGGACGTTTGCACCCATTACCCTCAACAC
 AAGCCACCTGCATCCACTTACTGACCTGCGTTGTGAAAGATATGCTAAGTGATGAAAG
 CTCCAACA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_021945 unedited
 ACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGAACACGGAGATTTTA
 TTAATCACCATTAAATGGTAGTGAAATGCCCTTCGGTGGATACCATCAGGTGAGGTAGGGA
 AGACATTCCAGAGGAAATCTGTTAATGGGGCAACGTTTTTATTTCTGTACATTTACATAC
 AAATTTTCCCAAAGGTACAACAGATGCGACACCATGCAGACACGCAGCTGTGAACGACA
 GTTCAGAACTCAGCGTAAGCTTGTGCTATGAACGAGCACCGTCAGAGAATTCCCACCCAC
 ACGTACAGAAACACAGTTTTTATATTACAACCTCAAGGACAGAGGGAGGGAAGTGTTCGC
 CGCTAGACATGACACACCATACTGCTTTTCCAAAACACACGGGACATGAAAGCGAGGTGG
 TGCCTTCTAGACGAGAGGACAGCTGTACTGTGGGCCTCCCCCGCACATGCGATACCTCGG
 GCCGGGCGGTGTGACCTCACAGGCCCACTTACGGAACCTGCAGTTTGGGATTGCTCATT
 TGGCTCTTAAGAATTGGTGGTGTGTTGAATGCCATACTTCCCTTACAAGGGTAGGTTTTGA
 TTTCTTATTGTTATGGAGCCAAACCAATTTTACCCAGCCGCTTTTCAAATGCAAGGG
 AACTTACTTCTACATAAACAACCACTGTAACCCTTTTCCCTGTCTCTTGGGTGGGA
 CATAATCTTAAGGCATTTTATATCAAGTTTGACCTTCAAATCAACAACAAAGTGAGC
 GAAATGTTTCATTCTCCATCTCAGGGGGTTCCCTTTTGGGCCTAACTTTTATTGAAAA
 GGCTTACCATGGGTACTCTTACTGCAACCCGAAGGGTGTGCTCTGGAGGAAGCTATCAAG
 GCGTTGGGAGTGTCTACTCTAAACCCTGGGGTTGCTTCAAAGGCCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_021945

Insert Size:

2580 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).

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_021945.2](#), [NP_068764.1](#)

RefSeq Size: 5945 bp

RefSeq ORF: 462 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.