

Product datasheet for **SC128223**

SLC22A16 (NM_033125) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A16 (NM_033125) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC22A16
Synonyms:	CT2; dJ261K5.1; FLIPT2; HEL-S-18; OAT6; OCT6; OKB1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_033125, the custom clone sequence may differ by one or more nucleotides

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ATGGGGTCCC GCCACTTCGAGGGGATTTATGACCACGTGGGGCACTTCGGCAGATTCAGAGAGTCTCT
ATTTTCATATGTGCTTCCAGAACATCTCTGTGGTATTCACTACTGGCTTCTGTGTTTCATGGGAGTCAC
CCCTCATCATGTCTGCAGGCCCCAGGCAATGTGAGTCAGGTTGTTTTCCATAACTACTCTAATTGGAGT
TTGGAGGACACCGGGCCCTGTTGTCTTCCAGGCCAGAAAGATTATGTTACGGTGCAGTTGCAGAATGGTG
AGATCTGGGAGCTCTCAAGGTGTAGCAGGAATAAGAGGGAGAACACATCGAGTTTGGGCTATGAATACAC
TGGCAGTAAGAAAGAGTTTCTTGTGTGGATGGCTACATATATGACCAGAACACATGGAAAAGCACTGCG
GTGACCCAGTGGAACTGGTCTGTGACCGAAAATGGCTTGCAATGCTGATCCAGCCCCTATTTATGTTTG
GAGTCTACTGGGATCGGTGACTTTTGGCTACTTTTCTGACAGGCTAGGACGCCGGTGGTCTTGTGGGC
CACAAGCAGTAGCATGTTTTTGTGGAAAGCAGCGCGTTTGCAGTTGATTATTACACCTTCATGGCT
GCTCGCTTTTTTCTGCCATGGTGAAGTGGCTATCTTGTGGTGGGTTTGTCTATGTGATGGAATTCA
TTGGCATGAAGTCTCGGACATGGGCGTCTGTCCATTTGCATTCTTTTTTGCAGTTGGAACCTGCTGGT
GGCTTTGACAGGATACTGGTCCAGGACCTGGTGGCTTTACCAGATGATCTCTCCACAGTACTGTCCCC
TTTATCTGTGCTGTTGGGTGCTCCAGAGACACCTTTTTGGCTTCTCTCAGAGGACGATATGAAGAAG
CACAAAAATAGTTGACATCATGGCCAAGTGGAAACAGGGCAAGCTCCTGTAACTGTCAGAACTTTTATC
ACTGGACCTACAAGTCTGTTAGTAATAGCCCCACTGAAGTTCAGAAGCACAACTATCATATCTGTTT
TATAACTGGAGCATTACGAAAAGGACACTTACCGTTTGGCTAATCTGGTTCAGTGGAAAGTTTGGGATTCT
ACTCGTTTTCTGAATTCTGTTAACTTAGGAGGCAATGAATACTTAACTCTTCTCTGGGTGATG
GGAAATCCCAGCTACACCTTCGTGTGCATCGCCATGGACAAGGTCGGGAGGAGAACAGCTGCGCTAC
TCTTTTTCTGCAGTGCCTGGCTGTGGTGTGTTATGGTGATCCCCCAGAAACATTATATTTGGTGA
TGGTGACAGCTATGGTTGAAAATTTGCCATCGGGGCGAGCATTTGGCCTCATTTATCTTTTATACAGCTGA
GCTGTATCCAACCATGTAAAGATCGCTGGCTGTGGGAAGCGGCAGCATGGTGTGTCGCTGGCCAGCATC
CTGGCGCCGTTCTCTGTGGACCTCAGCAGCATTGGATCTTCAACCACAGTTGTTTGTGGGACTATGG
CCCTCTGAGTGGAGTGTAACTAAAGCTTCCAGAAACCTTGGGAAACGGCTAGCAACTACTTGGGA
GGAGGCTGCAAACTGGAGTCAGAGAATGAAAGCAAGTCAAGCAATTACTTCTCACAATAATAATAGT
GGGCTGGAAAAACGGAAGCGATTACCCCCAGGGATTCTGGTCTTGGTGAATA
    
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5' Read Nucleotide Sequence: >OriGene 5' read for NM_033125 unedited

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NNGGGTTCACATTTTCGTATACGACTCACTATAGGGCGGCCGATAAATTTCGTATAGCAT
ACATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGG
GGGCGGGCGCGCTACCCGCAGCCCCGGAGCTCGGCTAACTCGGCGCCAGTGCACGGC
CGCACCATGGGGTCCC GCCACTTCGAGGGGATTTATGACCACGTGGGGCACTTCGGCAGA
TTCCAGAGAGTCTCTATTTTCATATGTGCCTTCCAGAACATCTCTGTGGTATTCACTAC
TTGGCTTCTGTGTTTCATGGGAGTACCCCTCATCATGTCTGCAGGCCCCAGGCAATGTG
AGTCAGGTTGTTTTCCATAACTCTAATTGGAGTTTGGAGGACACCGGGCCCTGTTG
TCTTCAGGCCAGAAAGATTATGTTACGGTGCAGTTGCAGAATGGTGGATCTGGGAGCTC
TCAAGGTGTAGCAGGAATAAGAGGGAGAACACATCGAGTTTGGGCTATGAATACACTGGC
AGTAAGAAAGAGTTTCTTGTGTGGATGGCTACATATATGACCAGAACACATGGAAAAGC
ACTGCGGTGACCCAGTGGAACTGGTCTGTGACCGAAAATGGCTTGCATGCTGATCCAG
CCCCTATTTATGTTTGGAGTCTACTGGGATCGGTGACTTTTGGCTACTTTTCTGACAGG
CTAGGACGCCGGTGGTCTTGTGGCCACAAGCAGTAGCATGTTTTTGTGGAAATAGCA
GGGCGTTTGCAGTTGATTATTACACCTTCATGGCTGCTCGCTTTTTTCTGCCATGGTTG
CAAGTGGCTATCTTGTGGTGGGGGTTGTCTATGTGATGGAAATTCATGGCATGAAGTCT
CG
    
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Restriction Sites: NotI-NotI

ACCN: NM_033125

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:	<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_033125.2 , NP_149116.2
RefSeq Size:	1983 bp
RefSeq ORF:	1734 bp
Locus ID:	85413
UniProt ID:	Q86VW1
Cytogenetics:	6q21-q22.1
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the organic zwitterion transporter protein family which transports carnitine. The encoded protein has also been shown to transport anticancer drugs like bleomycin (PMID: 20037140) successful treatment has been correlated with the level of activity of this transporter in tumor cells. [provided by RefSeq, Dec 2011]