

## Product datasheet for **SC303535**

### **SLC22A14 (NM\_004803) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SLC22A14 (NM_004803) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC22A14
Synonyms:	OCTL2; OCTL4; ORCTL4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_004803, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGGAGAGGAGAACTTCAAGGAAGAGCTCAGATCCCAGGATGCTTCCAGGAACCTGAACCAGCATG
AGGTAGCAGGACATCCACATTCTGGTCTCTGGAGATGCTGTTACGCAGATTGAGGGCTGCCACACCAA
GCAGGATGACAAGTTTGCCAACCTCCTGGATGCGGTGGGGGAGTTTGGCACATTCCAGCAGAGGCTAGTA
GCCCTCACCTTTATCCCCAGCATCATGTGGCCTTCTTCATGTTTGCTGACCACTTCGTGTTACAGCCC
AGAAGCCCTATTGCAATACCAGCTGGATCCTGGCAGTGGGCCCCACCTGTCCAAAGCTGAGCAGCTGAA
TCTGACCATACCCCAAGCACCAATGGCAGTTTCTGACATGCTTCATGTACCTTCTGTGCCTTGAAT
CTGGATTCTATCATCCAGTTTGGCCTCAATGACACAGACACATGCCAAGATGGGTGGATCTATCCTGACG
CTAAGAAGCGATCGTGATCAATGAGTTTGACTTGGTATGTGGCATGGAGACGAAGAAGGACACTGCACA
GATCATGTTTCATGGCAGGGCTCCCGATAGGCTCTCTCATCTTCAGGCTCATAACTGACAAGATGGGCCGC
TACCCTGCCATCCTGCTGTCACTGCTGGGGCTGATCATCTTCGGCTTTGGGACAGCCTTCATGAACAGCT
TTCACCTGTATTTGTTCTTTCGCTTTGGCATCTCGCAGTCAGTGGTGGGCTACGCCATCAGCAGCATTTT
TTTGGCCACTGAGTGTTAGTGGGTGAGCACCGGGCCCATGCCATTATCCTGGGACACTGCTTTTTCGCT
GTTGGGGCCGTGTTGCTGACAGGGATCGCTACAGTCTTCCCCACTGGCAGCTGCTGTTTCTGGTGGGTG
GGATACTTGTGATCCCCTTCATCTCCTATATCTGGATTCTCCCGAGTCCCCGCGGTGGCTGATGATGAA
AGGGAAGGTGAAGGAGGCCAAGCAGGTGCTGTGCTACGCCGAAGTGTGAACAAGAAGACCATTCTTTCA
AATCTGCTGGACGAGCTGCAGCTGCCAGAAAGAAGGTGACTCGGGCCTCTGTCTGGACTTCTGTGAAGA
ATAGGCAGCTCTGCAAGGTGACCTTGGTGATGAGCTGTGTGTGGTTTACCGTCAGTTACACCTATTTTAC
GTTGAGCCTGAGAATGAGAGAGCTGGGCGTGAGCGTCCACTTCAGACACGTGGTCCCCAGCATCATGGAG
GTGCTTCCCCGGCTGTGCTGCATCTTCTCCTCCAGCAGATTGGGAGGAAGTGGAGCCTGGCTGTGACTC
TCTCCAAAGCCATCATCTGGTGCTTGTCTCCTTTTCTCCCTGAAGGGGAGGATGGCCTCAGACTCAA
GTGGCCACGTTTGTCCGGCCACAGAGCTGAAATCCATGACGATCTTGGTGCTCATGCTCAGAGAGTTCAGC
CTGGCCGCCACTGTCACTGTGTTCTTCTCTACACCGCTGAGCTCCTCCCCACTGTGCTCAGGGCGACAG
GTCTGGGGCTGGTGTCTCTGGCCTCGGTGGCTGGAGCCATCTTGTCCCTGACAATCATCAGCCAGACCCC
CTCCCTCTGCCATCTTCTCTGCTGCGTCTTAGCCATCGTGGCCTTTTCCCTCTCCTCCTGCTGCCG
GAAACGCGAGATCAGCCCTCTCCGAGAGCCTGAACCACTCCTCACAGATAAGGAATAAGGTCAAGGACA
TGAAGACTAAGGAAACATCATCTGATGATGTCTGA
    
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**Restriction Sites:** Please inquire

**ACCN:** NM\_004803

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_004803.2</a></u> , <u><a href="#">NP_004794.1</a></u>
<b>RefSeq Size:</b>	2201 bp
<b>RefSeq ORF:</b>	1785 bp
<b>Locus ID:</b>	9389
<b>UniProt ID:</b>	<u><a href="#">Q9Y267</a></u>
<b>Cytogenetics:</b>	3p22.2
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes a member of the organic-cation transporter family. It is located in a gene cluster with another member of the family, organic cation transporter like 3. The encoded protein is a transmembrane protein which is thought to transport small molecules and since this protein is conserved among several species, it is suggested to have a fundamental role in mammalian systems. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>