

## Product datasheet for **SC114228**

### SLC15A3 (NM\_016582) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC15A3 (NM_016582) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC15A3
Synonyms:	OCTP; PHT2; PTR3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_016582, the custom clone sequence may differ by one or more nucleotides

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ATGCCCGCGCCGCGCCCGGGAGCAGCCCGCGTCCCCGGGAGCGCCAGCCGCTGCTGCCTCGCGGTG
CGCGGGGCGCTCGACGGTGGCGGGCGGGCGGGCGGGCGGGCGTGTGCTGGTGGAGATGCTGGAGCGGC
CGCCTTTTCGGGTCACCGCAACCTCGTGTACCTCAACAGCACCAACTTCAACTGGACCGCGAG
CAGGCGACGCGCGCCGCGCTGGTATTCTGGGCGCCTCCTACCTGCTGGCGCCCGTGGCGGCTGGCTGG
CCGACGTGTACCTGGGCCGTACCGCGCGGTGCGGCTCAGCCTGTGCTTACCTGGCGCCTCGGGCT
GCTGCCCGCCACCGCCTTCCCGACGGCCGAGCTCCTTCTGCGGAGAGATGCCCGCTCGCCGCTGGGA
CCTGCCTGCCCTCGGCCGGTCCCGCGCTCCTCGCCAGCCCTACTGCGCGCCCGTCTCTACGCGG
GCCTGTGCTACTCGGCCTGGCCGCGAGTCCGTCCGAGCAACCTCACCTCCTTCGGTCCGACAGGT
GATGGATCTCGGCCGACGCCACCCGCCGCTTCACTGGTTTTACTGGAGCATCAACTGGGTGCT
GTGCTGTGCTGTGGTGGTGGCGTTTATTCAGCAGAATCAGCTTCTGCTGGGTACAGCATCCCTG
TGGGCTGTGTGGCCTGGCATTTCATCTTCTTTGCCACCCCGTCTTATCACCAGCCCCGAT
GGGCGACCAAGTGTCTATAGCTTAAAGCTCGCTCCTAAACTGCTGCCCGCAGCTGTGCAACGACAC
TCGGCCAGAGACCGTCAATGTGCCCGCGTGTGGCCGACGAGAGGTCTCCCCAGCCAGGGGCTTCCCGC
AAGAGGACATCGCAACTTCCAGGTGCTGGTGAAGATCTTCCCCTCATGGTGACCTGGTGCCTACTG
GATGGTCTACTCCAGATGCAGTCCACCTATGTCTGCAGGGTCTTACCTCCACATCCCAACATTTTC
CCAGCCAAACCGGCAACATCTCTGTGGCCCTGAGAGCCAGGGCAGCAGCTACACGATCCCGAAGCCT
GGCTCCTCCTGGCAATGTTGTGGTGGTGTGATTCTGGTCCCTGAAGGACCGCTTATCGACCCCTT
ACTGCTGCGGTGCAAGTGTTCCTCTGCTCTGCAGAAGATGGCGTGGGGATGTTCTTTGGTTTTACC
TCCGCTATTGTGGCAGGAGTCTGGAGATGGAGCGTTACACTACACCACAAACAGACCCGTGTCCC
AGCAGATTGGGGAGGTCTGTACAACGCGCACCACTGTCCATCTGGTGGCAGATCCCTCAGTACCTGCT
CATTGGGATCAGTGAGATCTTGGCAGCATCCAGGCCTGGAGTTTGCCTACTCAGAGGCCCGCGCTCC
ATGCAGGGCGCCATCATGGGCATCTTCTTGCCTGTGCGGGGTGGGCTCACTGTTGGGCTCCAGCCTAG
TGGCACTGCTGTCTTGGCCGGGGTGGCTGCACTGCCCAAGGACTTTGGGAACATCAACAATTGCCG
GATGGACCTCTACTTCTTCTGCTGGCTGGCATTAGGCCGTACGGCTCTCTATTGTCTGGATCGCT
GGACGCTATGAGAGGGCGTCCCAGGGCCAGCCTCCACAGCCGTTTCAGCAGGGACAGGGGCTGA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_016582 unedited

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CAGGATTTTGTAAACGACTTCACTATAGGGCGGCCGCGATTTCGGCACGAGGCCAGCCAG
TTGGGTGGGGGAGAGGGCCGAGGCCCGGGGGCAGGAGTGCAGGGCTCTGAGGCGGGGAGA
GGAGAGGAGAGAAGAGCCGCGGGGGGCCAGCCCGGAGCCAGGATGCCCGCGCCGCGCGC
CCGGGAGCAGCCCGCGTCCCGGGGAGCGCCATCCTCTGCTGCCTCGCGGTGCGCGGGG
CCCTCGCGGTGGCGGGCGGGCGGGCGGGCCGTGCTGCTGGTGGAGATGCTGGAGCGC
GCCGCTTCTTTCGCGTCAACGCAACCTCGTGTGTACCTCAACAGCACCAACTTCAAC
TGGACCGCGAGCAGGCGACGCGCGCGCTGGTATTCTGGGCGCTCCTACCTGCTG
GCGCCCGTGGCGGCTGGCTGGCCGACGTGTACCTGGCCGCTACCGCGCGGTGCGGCTC
AGCCTGTGCTTACTGGCCGCTCGGGCTGCTGCCCGCCACCGCCTTCCCGACGGC
CGCAGCTCCTTCTGCGGAGAGATGCCCGCGTCCCGCTGGGACCTGCCTGCCCTCGGCC
GGCTGCCCGCGCTCCTCGCCAGCCCTACTGCGCGCCCGTCTTACCGGGGCTGCTG
CTACTCGGCTGGCCGCGAGTCCGTCCGAGCAACCTCACCTCCTTTGGTGCCGAACAA
GTGATGGATCTTGGCCGCGACGCCACCCCGGCTTCTTTAACTGGTTTTACTGGAGCATA
AACCTGGGTGCTGTGCTGCACTGCTTGGGGGGCGTTTATTCAGAAGACATCACTTTCC
TGCTTGGGTACACAATCCTGTGGGCTGTGTGGGCTGCATTTTTATCTTTTCTTGGCAC
CCCCTCTTTTACCAAGCCCATGGGAACAATGTCTTTTGCTAAATCGGCTTTCAA
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_016582 unedited GGCCAGGAGAGGCACTGGGGAGGGGTCACAGGGATGCCACCCGGGATCTGTTCAGGAAAC AGCTATGACCCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAGGAAGGGCTCATGCCCTTATTTATGGGAACCA TTTTATTCTAACAGAATAAACCGAGAAGGAAACCAGAGCTGGGACTGTGCCGTCTGTCC GGTAGAGTGAAACAAGGGGGCTGGAATAGGGCCTGTTCAACCCCTGTCCCTGCTGAAACG GCTGTGGGAGGCTGGGCCCTGGGACGCCCTCTCATAGCGTCCAGCGATCCAGACAATAG GAAAGCCGTGACGGCCTGAATGCCAGCCAGCAGGAAGAAGTAGAGGTCCATCCGGCAATT GTTGATGTTCCCAAAGTCTTGGGGCAGTGCAGCCAGCCCCGGGCAAGGACAGCAGTGC CACTAGGCTGGAGCCCAACAGTGAAGCCACCCCGACAGGCAGAGAAGAAGATGCCCATGAT GGCGCCCTTGATGGAGCGCGGGCCTTTGAGTAGGCAAACCTCCAGGCCTGGGATGCTGGC AAAGATCTCACTGATCCCAATGAGCAGTACTGAAGGATTCTGCCCANATGGACAATGT GTGCCGCTTTGTACAAGGACCTTCCCAATTCTGTTGGGACAACGGTCTCTTTGTGGT TGGATGTAATGGTAAGCGCCTTCCATCTTTCAAGGAA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_016582
<b>Insert Size:</b>	2250 bp
<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_016582.1</a> , <a href="#">NP_057666.1</a>
<b>RefSeq Size:</b>	2113 bp
<b>RefSeq ORF:</b>	1746 bp
<b>Locus ID:</b>	51296
<b>UniProt ID:</b>	<a href="#">Q8IY34</a>
<b>Cytogenetics:</b>	11q12.2
<b>Domains:</b>	PTR2
<b>Protein Families:</b>	Ion Channels: Other, Transmembrane

**Gene Summary:**

Proton oligopeptide cotransporter. Transports free histidine and certain di- and tripeptides (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and is protein-coding.