

## Product datasheet for **SC324121**

### SLC22A17 (NM\_020372) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A17 (NM_020372) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC22A17
Synonyms:	24p3R; BOCT; BOIT; hBOIT; NGALR; NGALR2; NGALR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_020372.2  
 GCCAGCAGCTGCAGCTCGGCCTCTGCTGCCTGCCGGTGTCTTCGTGGCTCTGGGCATGG  
 CCTCGGACCCCATCTTACGCTGGCGCCCCCGTGCATTGCCACTACGGGGCCTTCCCC  
 CTAATGCCTCTGGCTGGGAGCAGCTCCCAATGCCAGCGCGTACAGCGTCGCCAGCGTG  
 CCCTAGCAGCCAGCGCCGACCGGTGTGCCACCAGTACCGACCCTCGTGCAGCGGTG  
 TCGCCCCGCCGGACTTCAACCATTGCCTCAAGGATTGGGACTATAATGGCCTTCTGTGC  
 TCACCACCAACGCCATCGGCCAGTGGGATCTGGTGTGTGACCTGGGCTGGCAGGTATCC  
 TGGAGCAGATCCTCTTACCTTGGGCTTTGCCTCCGGCTACCTGTTCTGGGTTACCCCG  
 CAGACAGATTTGGCCGTGCGGGGATTGTGCTGCTGACCTTGGGGCTGGTGGGCCCCGTG  
 GAGTAGGAGGGGCTGCTGCAGGCTCCTCCACAGGCGTCATGGCCCTCCGATTCTCTTGG  
 GCTTTCTGCTTGGCGGTGTGACCTGGGTGTCTACCTGATGCGCCTGGAGCTGTGCGACC  
 CAACCCAGAGGCTTCGGGTGGCCCTGGCAGGGGAGTTGGTGGGGTGGGAGGGCACTTCC  
 TGTTCTGGGCTGGCCCTGTCTCTAAGGATTGGCGATTCTACAGCGAATGATCACCG  
 CTCCTGCATCCTTCTCTGTTTTATGGCTGGCCTGGTTTGTCTGGAGTCCGCACGGT  
 GGCTGATAGTGAAGCGGCAGATTGAGGAGGCTCAGTCTGTGCTGAGGATCCTGGCTGAGC  
 GAAACCGGCCCATGGGCAGATGCTGGGGAGGAGGCCAGGAGGCCCTGCAGGACTGG  
 AGAATACCTGCCCTCTCCCTGCAACATCCTCTTTTCTTGGTTCCTCCTCAACTACC  
 GCAACTCTGGAAAAATCTGCTTATCCTGGGCTTCAACAACTTATTGCCCATGCCATTC  
 GCCACTGTACCAGCCTGTGGGAGGAGGAGGGAGCCCATCGGACTTCTACCTGTGCTCTC  
 TGCTGGCCAGCGGCACCCGAGCCCTGGCCTGTGTCTTCTGGGGTACCGTGGACCGAT  
 TTGGCCGCGGGGCATCCTTCTCTCCATGACCCTTACCGCATTGCTTCCCTGGTCC  
 TGCTGGCCCTGTGGGATTGTGAGCATCTATCTTCCCACAGTGTGGGCTCAACAAGGGA  
 ACCCCAACAGAGATCTGAACGAGGCTGCCATCACCATTCTCTGTCTTGGGCTTCTCT  
 CTTCCCAAGCTGCCGCCATCCTCAGCACCTCCTTGTGCTGAGGTCATCCCCACCACTG  
 TCCGGGGCCGTGGCCTGGCCTGATCATGGCTCTAGGGGCGCTTGGAGGACTGAGCGGCC  
 CGGCCAGCGCCTCCACATGGGCCATGGAGCCTTCTGCAGCACGTGGTGTGGCGCCT  
 GCGCCCTCTCTGCATTCTCAGCATTATGCTGCTGCCGGAGACCAAGCGCAAGCTCTGC  
 CCGAGGTGCTCCGGGACGGGAGCTGTGTGCGCGGCTTCCCTGCTGCGGCAGCCACCCC  
 CTACCCGCTGTGACCACGTCCCCTGCTTGCCACCCCAACCCTGCCCTCTGAGCGGCC  
 CTGAGTACCCTGGCGGGAGGCTGGCCACACAGAAAGGTGGCAAGAAGATCGGGAAGACT  
 GAGTAGGGAAGGCAGGGCTGCCAGAAGTCTCAGAGGCACCTCAGCCAGCCATCGCGGA  
 GAGCTCAGAGGGCCGTCCCACCCTGCCTCCTCCTGCTGCTTTGCATTACTTCTTGG  
 CCAGAGTCAGGGGACAGGGAGAGGCTCCACACTGTAACCACTGGGTCTGGGCTCCATCC  
 TGCGCCCAAAGACATCCACCCAGACCTCATTATTTCTGTCTATCATTCTGTTTCAATA  
 AAGACATTTGAAATAAACGAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AA

**Restriction Sites:** ECoRI-NOT

**ACCN:** NM\_020372

**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).

<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_020372.2</a> , <a href="#">NP_065105.2</a>
<b>RefSeq Size:</b>	2090 bp
<b>RefSeq ORF:</b>	1617 bp
<b>Locus ID:</b>	51310
<b>UniProt ID:</b>	<a href="#">Q8WUG5</a>
<b>Cytogenetics:</b>	14q11.2
<b>Domains:</b>	sugar_tr
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>Cell surface receptor for LCN2 (24p3) that plays a key role in iron homeostasis and transport. Able to bind iron-bound LCN2 (holo-24p3), followed by internalization of holo-24p3 and release of iron, thereby increasing intracellular iron concentration and leading to inhibition of apoptosis. Also binds iron-free LCN2 (apo-24p3), followed by internalization of apo-24p3 and its association with an intracellular siderophore, leading to iron chelation and iron transfer to the extracellular medium, thereby reducing intracellular iron concentration and resulting in apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a).</p>