

## Product datasheet for **SC324648**

### **BORCS5 (NM\_058169) Human Untagged Clone**

#### **Product data:**

**Product Type:** Expression Plasmids  
**Product Name:** BORCS5 (NM\_058169) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** BORCS5  
**Synonyms:** LOH1CR12; LOH12CR1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_058169.2  
 CGGAAAGAAGGAGGGCTAGCCGCGTTCGCGCCGCGCCTCCTGCGTTTCTGTTCCC  
 CAAATAGGGCCTCCTCTCCCGCCGCCAGGCCCTGCGTGGGCTGGACGCGTCAGCC  
 CCACACATTAGCCTCGCTGCGGGCCGAGACTCTGCTTTGCTCCCGTCCCGGTCCCTG  
 GCCCTGCGCTGTCGCGCCGCGGAGCGGTGACCGCCGCGCCGCGTCTTCTGCTG  
 CCACCGCTGTCGGCACCATGGGCAGTGAGCAGAGCTCCGAGGCCGAGAGCCGACCAACG  
 ATCTGAACTCCTCAGTGACTCCTCACCAGCCAAGCATAGAGCCAAGATGGATGATATTG  
 TGGTTGTAGCTCAGGGCTCCCAGGCCTCACGGAACGTAGCAACGATCCCGATGTCATCA  
 AGTTGCAAGAGATTCCAACCTCCAGCCCCTTTGAAAGGGCTATTGAGTGGCCAGACTT  
 CCCCAACAAATGCCAAATTGGAGAACTGGACTCTCAGCAGGTGTTGCAGCTCTGCCTCC  
 GATATCAAGATCACCTGCATCAGTGTGCAGAGGCCGTTGCTTTTGACCAGAAATGCTTTGG  
 TTAACGAATCAAAGAGATGGATCTGTCTGTAGAACTCTGTTACAGTTCATGCAGGAGC  
 GCCAGAAAAGATACGCCAAGTATGCCGAGCAGATCCAGAAAGTGAACGAGATGTCGCCCA  
 TCCTCCGCGCATACAGATGGGCATCGACCAGACTGTGCCCTGCTGGACAGGCTCAACA  
 GCATGCTGCCGAGGGCGAGCGGCTGGAGCCCTCAGCATGAAGCCCAGCCGCGAGCTCA  
 GGCTGTAGCTGCCGCCGCGCTGCCTGGGGCTGGGAGCCCCAGACACCCGACCCCTGAGG  
 ACGTGTGGAGCTAAGGTCATATCATCTGACCAGGTCTGGAGGCTGGCGGGAGGCTCCCTG  
 AAAGTGGGTGCGAAGGAGTCCGGCTGGCATGAAAATCTGACTTTGCCAGCTCTTTTCT  
 TGATGCAGTTTCCCGGTGTGGAAGGAACCTAACCCAGTTCTCGGTGATAACTGAAGCTGGA  
 ACGTGTGAATTATTAGGAATCTTTGAAGAAGTCTGCATTGAGAATTATTTTATTAGT  
 TTTTTTTTTTTTAAATTGAGAGTATATAGTCCAGTCCAGTACCGGAATAAAAATATGGA  
 GACAAGGGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_058169



[View online »](#)

<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>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_058169.2</a></u> , <u><a href="#">NP_477517.1</a></u>
<b>RefSeq Size:</b>	2049 bp
<b>RefSeq ORF:</b>	591 bp
<b>Locus ID:</b>	118426
<b>UniProt ID:</b>	<u><a href="#">Q969J3</a></u>
<b>Cytogenetics:</b>	12p13.2
<b>Gene Summary:</b>	<p>As part of the BORC complex may play a role in lysosomes movement and localization at the cell periphery. Associated with the cytosolic face of lysosomes, the BORC complex may recruit ARL8B and couple lysosomes to microtubule plus-end-directed kinesin motor. Thereby, it may indirectly play a role in cell spreading and motility.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). 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>