

## Product datasheet for **SC120239**

### **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
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_058169, the custom clone sequence may differ by one or more nucleotides

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ATGGGCAGTGAGCAGAGCTCCGAGGCCGAGAGCCGACCCAACGATCTGAACTCCTCAGTGACTCCTTCAC
CAGCCAAGCATAGAGCCAAGATGGATGATATTGTGGTTGTAGCTCAGGGCTCCCAGGCCTCACGGAACGT
CAGCAACGATCCCGATGTCATCAAGTTGCAAGAGATTCCAACCTCCAGCCCTTTTGAAGGGCTATTG
AGTGGCCAGACTTCCCCAACAAATGCCAAATTGGAGAACTGGACTCTCAGCAGGTGTTGCAGCTCTGCC
TCCGATATCAAGATCACCTGCATCAGTGTGCAGAGGCCGTTGCTTTTGACCAGAATGCTTTGGTTAAACG
AATCAAAGAGATGGATCTGTCTGTAGAACTCTGTTTCAGTTCATGCAGGAGCGCCAGAAAAGATACGCC
AAGTATGCCGAGCAGATCCAGAAAGTGAACGAGATGTCCGCCATCCTCCGCCGCATACAGATGGGCATCG
ACCAGACTGTGCCCTGCTGGACAGGCTCAACAGCATGCTGCCCGAGGGCGAGCGGCTGGAGCCCTTCAG
CATGAAGCCCACCGCGAGCTCAGGCTGTAG
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_058169 unedited GTCAACATTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACCAGCCCCGTCCTCCGG TCCCTGGCCCCCTGCCCTGTGCCCCGCCGCCGGAGCGGTGACCGCCCGCCCGCCGTTCTT CTGCTGCCACCGCTGTCCGCACCATGGGCAGTGAGCAGAGCTCCGAGGCCGAGAGCCGAC CCAACGATCTGAACCTCTCAGTGACTCCTTACCAGCCAAGCATAGAGCCAAGATGGATG ATATTGTGGTTGTAGCTCAGGGCTCCCAGGCCTCACGGAACGTCAGCAACGATCCCGATG TCATCAAGTTGCAAGAGATTCCAACCTTCCAGCCCTTTTGAAGGGCTATTGAGTGGCC AGACTTCCCAACAATGCCAAATTGGAGAACTGGACTCTCAGCAGGTGTTGCAGCTCT GCCTCCGATATCAAGATCACCTGCATCAGTGTGCAGAGGCCGTTGCTTTTGACCAGAATG CTTTGGTTAAACGAATCAAAGAGGTAATGTGCTGCGGGAAAAATAACATTGCTGACTGGTT GTTGTGATTCTCTGCAACTCTGGATGCCATCTTAAGACTTGACATTTGCTACTATTGCTT TGAGGAGATTGCTTTTCCAGCAGTAAAATGTGATGATGAAAAAAGTGGTCCACAGAGC TGGGCTAATTTAGAGTTGAATTCTGATCACCCTGATTGCTTGGCCAAGTTGCTTAAC TTCTCTGTCTCAGTTTCCCTCATGTGAAAAATGGNGCTAATAGTAGTAACCTACCCCAAGG GNTGAGTGACAGATTTGCTAGTAAAGTGTAGCTATTATTAGTGCATGGTAAGTCTGCCA TACTAATTTGCTCTAGCCCCATTCTGTCTTTGAATTGACTTAAATGTTCTCTGTGATAAT TTATATTTGGTTCCAGTAGATTAATTTCT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_058169
<b>Insert Size:</b>	3500 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_058169.2</a> , <a href="#">NP_477517.1</a>
<b>RefSeq Size:</b>	2049 bp
<b>RefSeq ORF:</b>	591 bp
<b>Locus ID:</b>	118426
<b>UniProt ID:</b>	<a href="#">Q969J3</a>
<b>Cytogenetics:</b>	12p13.2

**Gene Summary:**

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]

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.