

## Product datasheet for **MC200438**

### Syngnr2 (NM\_009304) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Syngnr2 (NM\_009304) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Syngnr2  
**Synonyms:** cellugyrin; Clast2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC004829 sequence for NM\_009304  
 CCCACGCGTCCGGCTCGGTGGCGACAGCGACATGGAGAGCGGGCCATATGGCGCGCCAACGCGGGCGGC  
 TCCTTCGACCTGCGGCGCTTCTGTCTCAGCCTCAGGTGGTGACGCGCCTCGTGAGCATGGTCTTGGCCT  
 TGATCGTGTCTCTGCATCTTCGCGGAGGGCTACACCAACATTACACATCTGATCAACTATACTGTGT  
 GTTCAACCAGAATGAGGATGCCTGCCGCTACGGCAGCGCCATCGGGGTGCTGGCCTTCTGGCCTCAGCC  
 TTCTTCTGTGGTGCATGCCTTCTCCCAGATAAGCAATGCCACTGACCGCAAGTACCTGGTCAATG  
 GCGACCTGCTCTCTCAGCTCTCGACCTTCTGTGGTTTGTGGTTTCTGCTTCTGACCAACCAGTG  
 GGCAGCCACCAACCTCAAGATGTCGGGTGGGTGCGGACTCAGCTCGGGCAGCCATCACCTTCAGCTTC  
 TTCTCCATCTTTTCTGGGGTGTGCTGGCTTCCCTGGCCTACCAGCGCTACAAGGCTGGAGTGGATGCCT  
 TCATTCAGAACTACGTGGATCCCACCCGGATCCCAACACAGCCTACGCCTCTACCCAGTGCCTCCGT  
 GGAAAACTACCAGCAGCCGCCCTTACCAGAAATGTGGAGACTATTGAGGGCTACCAGCCTCCCCCTGTG  
 TACTGAGCAGCCAGGGACAAGAAGGCAGGAAGGGGTGGTTGGGAGAGGGCCGCCCTCTACCCTGGACT  
 TCTCTCAAGGGTTGCTGCTCACAATGTAGTCCCTTGCCTGTTACAGTTGACAGCCAAAGAGTCCACGCCCT  
 TTCTGCCTCCCAGCTGCAGACAGACAGAGCACACCTGAAGTGCCCATGCCAGCGGGGCTTCGCCGCCGC  
 CCACCAATCCTCAAGGGCATTCTTTGAGAAGATGGTTTTGACTAGATCTTTTATCCCCACCATAGTAC  
 TGTAGATAGGACCCAGGGCTTGGATTTGCTTAACCAGCGCAGCCATCCAGCTGTGTGCCAGCTCCTTGT  
 TGCTTTTAGTAACCCCGATCCCCTTCTCAGAGAGCCAGAAGCAGGTGCCTGTTAGTGCTACCATGTTTTT  
 GACCCATGCTAGTTTTCTCACTGCTGGAGACCATGGGAGCCCCAACTCTTTTTCCCCAAAGCCAAGCTTG  
 GGGATCCTCGTGCCTGTCTCCCACGTCTCACTCAGTTTCAGTAGCCAGCTCTCTGCTGTCTTCTG  
 GGTACCACCTGTGCCAACTGTCCCAGGCTGCCTGACTGCCTGCCAACCTGGGACAGGCAGAGGGACAA  
 GATGCCACTTCTTCTTTCTCCCCTCCTGGCAGGAGGGACGGGATTTGCCTGGAGATAACACCCAGCTT  
 TATGTAATACTACCAAGCAGCGGTTAGATACTAGTGGGAGGGCAGGAACCCCTGCACTGAATGTATTG  
 GAGACTGGTGAGGATGGCCCTGCCCTCAGATTCTATAGACTAGTTTGGAGATGGAATAAATGGTTTTTCT  
 CAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI



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<b>ACCN:</b>	NM_009304
<b>Insert Size:</b>	675 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="#">BC004829</a> , <a href="#">AAH04829</a>
<b>RefSeq Size:</b>	1557 bp
<b>RefSeq ORF:</b>	675 bp
<b>Locus ID:</b>	20973
<b>UniProt ID:</b>	<a href="#">O55101</a>
<b>Cytogenetics:</b>	11 E2
<b>Gene Summary:</b>	May play a role in regulated exocytosis. In neuronal cells, modulates the localization of synaptophysin/SYP into synaptic-like microvesicles and may therefore play a role in the formation and/or the maturation of this vesicles. May also play a role in GLUT4 storage and transport to the plasma membrane.[UniProtKB/Swiss-Prot Function]