

## Product datasheet for **SC113799**

### **SOBP (NM\_018013) Human Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	SOBP
<b>Synonyms:</b>	JXC1; MRAMS
<b>Mammalian Cell</b>	None
<b>Selection:</b>	
<b>Vector:</b>	<u>pCMV6-XL4</u>
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_018013, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGAAATGGAGAAAAGGGAGACCTCCCGAAAAATAACGGAGCAGGAAGCCGGCTCACCCAGTGA
AAAGGGAGATCAATGAGGAGATGAAGAACCTTTCAGAAAAACACCATGAATGAACTCCTTGGCTGGTATGG
CTATGATAAGGTTGAATAAAAAGATGGTGAGGATATTGAATTCAGGAGCTACCTACAGATGGGGAGAGC
CGGCAGCACATTTCTGTTCTCAAAGAAAATCTTTGCCAAAACAAAATTACCCGAGGACAGTGTATTTT
CACCATACAATATAAGCACAGGCTATTTCAGGGCTTGCCACTGGAAATGGACTCAGTGACTCACCTGCAGG
GTCAAAGGATCATGGCAGTGTGCCATTATTGTACCTTTAATTCCACCACCTTTCATAAAGCCACCAGCA
GAAGATGATGTGTCAAATGTACAAAATAATGTGTGCCTGGTGCCAGAAAGTGGGAATCAAGCGCTATTCCC
TGAGTATGGGAAGTGAGGTGAAAAGCTTTCAGCAGCAGAAAGTGCTTTGCCGGCTGCCGACGAGCCTACTT
CAAGAGAAAATAAGGCTAGAGATGAAGATGGACATGCTGAAAATTTTCCCGAGCAGCACTATGCTAAGGAA
ACTCCAAGGCTTGCTTCAAGAATAACTGCGAACTACTTGTATGTGACTGGTGAAGCACATAAGACACA
CAAAAAGTACCTGGATTTTGGGGACGGGAAAAGAAGGCTTCAGTCTGCAGTGCAAAATGTCTCAATCA
ATACAAAATGGACATTTCTACAAAAGAGACCCAGGCCAATCTTCCAGCTGGGCTGTGCAGCACATTACAC
CCTCCCATGAAAAATAAGCAGAAAGCACCAGGGGTGCAGCTGCTCACTCCAGACTCTTGGAAATATCCCGC
TAACAGATGCTCGGAGGAAGGCCCTCCCGGTGGCTACAGCTGGCCAAAGCCAGGGCCCTGGCCCGTC
GGCGTCCACCACCGTCTCTCATCTGACTGCCAACCTGCTGTGCTACTAAAATCCCCACGCCAGTGCC
AAGTCCATCCCATCAGCGAGACTCCTAAATATCCCTCCTGTCTCCGTCCAGCCACCTGCTAGCATCGGGC
CTCCCTTGCGCTCCCGCTCGGAGCCCTCCCATGGTATGACCAACCGCGCCCGGTGCCGCTGCCAT
CTTCATGGAGCAGCAGATCATGCAGCAGATCCGCCCGCTTTCATCCGCGGGCTCCGCACCATGCCTCC
AACCCCAACAGCCCTGTCCAACCCATGCTTCCCGCATCGGGCCCGCCCGGTGGCCCGAGAAACC
TGGGCCCACTTCCAGCCCATGCACCGGCCATGCTATCGCCCAACATCCACCCCGAGCACCCAC
CATGCCCGGAACCCCGAGGCTGCTGCCCGCCGCTCCGGGCGCCCGCTGCCGAGTCTTCCCTTC
CCGCCAGTGAGCATGATGCCAAATGGCCCGATGCCGGTGCCCCAGATGATGAATTTCCGGCTGCCGTCG
TTGCCCGCTGGTGCCCGCCGACCCTGCTCGTGCCGTACCCGTGATCGTCCCTACCCGTGCCAT
CCCCATCCCATCCCTATCCCTCACGTGAGCGACTCCAAGCCCCCAACGGGTTCTCCAGCAACGGGGAG
AACTTCATTCCGAACGCCCTGGGACTCCGCGCGCGGGCGGCAAGCCAAGCGGACACTCCCTGTCCC
CCCGGACTCCAAGCAGGGCTCGTCCAAGTCCGCGACTCGCCCCCGGTGCTCGGGCCAGGCCCTGAG
CCTGGCGCCACGCCCGCGAGCATGGCCGAGCGAGGTGGTGACCTGACGCGCGCGCCCGCAGCCCC
CCGGGCCCCCGGGCGCGGGCGGCCAGCTCGGCTTCCAGGCGTGTGCAGGGCCCGCAGGACGGCGTCA
TCGACCTGACCGTGGGCCACCGAGCCCGGTGCACAACGTGATCCACCGCGCTGCACGCGCACGTCAA
GGCGGAGCGGAGCCGAGCGCCGCGGAGCGCAGGACCTGCGGCGGTGCAGGGACGGCCACTGCAGCCCG
CCCGCCGCGGGCAGCCAGGCCCGGGCGCCCGCGGGCCCCGAGGCGGGCCCGGCTGCAACGTCATCG
TGAACGGCACGCGCGGCCCGCCGCGGAGGGCGCTAAGAGCGCGGAGCCGCTCCCGAGCAGCCGCGCC
GCCCGCCCGCCCGCGCCCCCAAGAAGCTGCTGTGCGCTGAGGAACCGCGGTGAGCGAGCTAGAGTCG
GTCAAGGAGAATAACTGTGCTTCCAACCTGCCACCTGGACGGGAGGCGGCAAAAAGCTGATGGCGGAGG
AGGCCCTGGCGGGGGGACAAGTCAAGCCGAACCTTAATAACCCCGCGGACGAGGACCATGCCTATGC
TCTGCGGATGCTGCCAAGACCGGCTGCGTGTATCCAGCCTGTGCCAAAACCCGCGGAGAAGGCTGCCATG
GCACCGTGATCATCTCTCGCCATGCTCAGCGCCGGGCTGAGGACCTGGAGCCCGGCTCAAAAAGGA
GGTGCCTCCGAATTAGAAATCAGAATAAGTAA
```

**5' Read Nucleotide****Sequence:**

>OriGene 5' read for NM\_018013 unedited  
GGGGTGCACCAATATGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGCTTCA  
TGGAGCAGCAGATCATGCAGCAGATCCGCCGCCCTTCCATCCGCGGGCTCCGCACCATG  
CCTCCAACCCCAACAGCCCCCTGTCCAACCCCATGCTTCCCGGCATCGGGCCCCCGCCCG  
GTGGCCCCAGAACTGGGCCCACTTCCAGCCCCATGCACCGGCCATGCTATCGCCGC  
CTCCGGGGCCCCGCTGCCGAGTCTTCCCTTCCCGCCAGTGAGCATGATGCCAAATGGCC  
CGATGCCGGTGCACCAGATGATGAATTCGGGCTGCCGTGCTTGCCTCCGCTGGTGCCGC  
CCCCGACCCTGCTCGTGCCGTACCCCGTGATCGTGCCCTACCGGTGCCCATCCCCATCC  
CCATCCCTATCCCTCACGTCAAGCCCCCAACGGGTTCTCCAGCAACGGGG  
AGAAGTTCATTCCGAACGCCCTGGCGACTCCGCGGGCGGGGGCGCAAGCCAAGCGGAC  
ACTCCCTGTCCCCCGGACTCCAAGCAGGGCTCGTCCAAGTCCGCGGACTCGCCCCCG  
GCTGCTCGGGCCAGGCCCTGAGCCTGGCGCCACGCCCGCCGAGCATGGCCGGAGCGAGG  
TGGTGACCTGACGCGCGCGCCGGCAGCCCCGGGCCCCCGGGCCCGGGCGGGCA  
GCTCGGCTTCCCAAGCGTGCCTGCAGGGCTCCGCAGTACGGCCGTATTTGACCTGACC  
GTGGGCCAACCGAACCAGGGTGGACAACGTGATCCACCGCGCCTGAACCCACCTTA  
AAGGCGGACGCAACCGCCCCCGGAACGCATGACCTGCGGCGCTTGAGGGACAGACA  
CTGAAATCCCCCCCGTCGGGGACCCAGCCCGGCG

**3' Read Nucleotide****Sequence:**

>OriGene 3' read for NM\_018013 unedited  
NNNGGTTCGCTATGGAACCGCGCCGCATNCTAGNGATCGATTTTTTTTTTTTTTTTTT  
TAGTTTTCTCCTTTTTTGATTTTTTCTTAATTTTTCTCTTCTTTTTCTTTTTTTTTT  
TTTTCTGACTCATCAGAAATGGGATACTCCACAAGTGTCTCACAAGTCAAGTGCACAAAGTGAAT  
ACATGCTCTAGAGGACTTCTGGACTCGCAGCTACAAGTACAAGTGCACACAAGTGAAT  
CTACCTGTTATCCTCCACCCACTGATTGAGGATCGAATTGCACATTTCTTTAACCATG  
ACAGGAGAAAGCAAACAGTGAACAGAATCATGGGTGATCTTTCTCACTTCCCTCTTGT  
TTTTATTGGTTTTGCCATACCATTCTAATTATCATGAAAGGGCTCTGCATATAGAGAGAT  
TGTCTCACTGACTTCTGGATCACCGAAAACCATCAGGGTTGAAATTTCTGAGTCTT  
TCTGACGCCCAGCAAATATCCCTCGGATTTTTACACCTTGAGGGCATTTTGGTC  
TTCAGTTCAACACTCTTGTCTGTTCCCAAATGGGGCGCTATTTAGGGGAATTTAAAGAG  
AAAGCTGAGAAGAATAAACATTTACCGAGTTCTCTTGGCATTCACTCTGAAAAACCA  
AGTATAAATATTCATGCTGCTTCTTACATCTGCAAAATCGAAAATTTAAAGCCATAAAA  
GTGTAACACTGAAAATATGGCATCAAAAAGGATAAAGGTGGGCCTTTTGTAAAAATAACA  
AGGAAAGTATATTAGCCAATAAAATATTTCTAACTCTTCATTTAAAGTGCATCCCGGGC  
AGGACAGAGATGACTCTGAAGCATTGGGCGCTCAGGAACACCCCTCTTCCGCATN

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_018013

**Insert Size:**

3000 bp

**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).

**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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_018013.1, NP_060483.1</u>
<b>RefSeq Size:</b>	6248 bp
<b>RefSeq ORF:</b>	807 bp
<b>Locus ID:</b>	55084
<b>UniProt ID:</b>	<u>A7XYQ1</u>
<b>Cytogenetics:</b>	6q21
<b>Gene Summary:</b>	The protein encoded by this gene is a nuclear zinc finger protein that is involved in development of the cochlea. Defects in this gene have also been linked to intellectual disability. [provided by RefSeq, Mar 2011]