

## Product datasheet for SC111636

### OBFC1 (STN1) (NM\_024928) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** OBFC1 (STN1) (NM\_024928) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** OBFC1  
**Synonyms:** AAF-44; AAF44; bA541N10.2; OBFC1; RPA-32  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_024928 edited  
 CAGCCAAGTCTCCTGCGCCGGGGTCTGTCGCCAGCGGCTCCGAGCGCCGGAAG  
 GGCCAGGTCGCAGGGCTCCTGGAGCTGCAGGCGGGAGGGGCTACAAATGCTTGACTC  
 AGTGATGCAGAACCTTTACAGATTAGCTGGAAGCCACAGCCCTGCCTCTTGATGCAGCCT  
 GGATCCAGCCGGTGTGAAGAGGAGACCCCTTCCCTCTTGTGGGTTTGGATCCTGTGTTT  
 CTAGCCTTTGCAAACTCTACATCAGGGATATCCTGGACATGAAGGAGTCCCGCCAGGTG  
 CCAGGTGTATTTTGTACAATGGACATCCAATAAAACAGGTAGATGTCTTGGAAGTGTG  
 ATTGGAGTGAGAGAAAGAGATGCTTTCTACAGTTATGGAGTGGATGACAGCACTGGAGTT  
 AATAACTGCATCTGCTGGAAAAGTTGAATACTGAGTCTGTATCAGCTGCTCCTAGTGCA  
 GCAAGAGAGCTCAGCTTAACCTCACAACCTAAGAAGCTACAAGAGACCATTGAGCAGAAA  
 ACAAGATAGAGATCGGGACACGATCCGAGTCCAGAGCAGTATCCGCACATACAGAGAA  
 GAGCGAGAGATTCATGCCACCGCTTACTATAAAGTGGACGACCCAGTGTGGAACATTCAA  
 ATTGCAAGGATGCTTGAGCTGCCACTATCTACAGGAAAGTTTATGACCAGCCTTTTAC  
 AGCTCAGCCCTAGAGAAAGAAGAGGCACTAAGCAATCCAGGCGCCCTGGACCTCCCCAGT  
 CTCACGAGTTTGTGAGTAAAAAGCCAAAGAATTCCTCATGGAGAACAGAGTGCAGAGC  
 TTTTACCAGCAGGAGCTGGAAATGGTGGAGTCTTTGTGTCCCTTGCCAATCAGCCTGTG  
 ATTCACAGTGCCTGCTCCGACCAAGTGAATTTAAGAAGGACACCACTTCCAAGGCAATT  
 CATAGTATATTTAAGAATGCTATACAACCTGCTGCAGGAAAAAGGACTTGTTCAGAAA  
 GATGATGGTTTTGATAACCTATACTATGTAACCAAGAGAAAGCAAAAGCCTGCACAGAAAG  
 ATCCACCGGATCATTGAGCAGGACTGCCAGAAACCAATCAGTGGAGAAGGGCTGTGAC  
 TTCTGCACATCTTGGCCTGTGCTCGCCTGAGCATCCGCCGGGCTGAGCGAGGCTGTG  
 CTGCGAGCAAGTTCTGGAGCTCCTGGAGGACCAGAGTGCATTGTGAGCACAATGGAGCAC  
 TACTACAGCGTTCTGAGCAGAGACACGAGACCAGCTGAGGAGGACAAAGATAAGGTG  
 GCATTCACCCCGAGGCTCTGACTTTGAGCATCATGCAGGGGCTTATCTGTCTGGAGGCG  
 TTACCTCATAATAAACTATAAAATATAGTCATCTTGGGAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_024928 unedited AACTCATAANTGTAAACGACTTACTATAGGCGGCCGGAATTCGCACGAGGCAGCCA GCTCCTGCGCCGGGCGGGTCTGTCGCCGACGCGCTCCGAGCGCCGGAAGGCCAGGTC GCAGGGCTCCTGGAGCTGCAGGCGGGGAGGGGCTACAAATGCTTGACTCAGTGATGCA GAACCTTTCAGAGTTAGCTGGAAGCCACAGCCCTGCCTCTTGATGCAGCCTGGATCCAGC CGGTGTGAAGAGGAGACCCCTCCCTCTTGTGGGGTTGGATCCTGTGTTCTAGCCTTT GCAAAACTCTACATCAGGGATATCCTGGACATGAAGGAGTCCCGCCAGGTGCCAGGTGTA TTTTTGTACAATGGACATCCAATAAAACAGGTAGATGTCTTGGAACTGTCATTGGAGTG AGAGAAAAGAGATGCTTTCTACAGTTATGGAGTGGATGACAGCACTGGAGTTATAAACTGC ATCTGCTGAAAAAGTTGAATACTGAGTCTGTATCAGCTGCTCCTAGTGCAGCAAGAGAG CTCAGCTTAACCTCACAACCTAAGAAGCTACAAGAGACCATTGAGCAGAAAACAAAGATA GAGATCGGGGACACGATCCGAGTCAGAGGCAGTATCCGCACATACAGAGAAGAGCGAGAG ATTCATGCCACCGCTTACTATAAAGTGGACGCCAGTGTGGAACATTCAAATTGCAAGG ATGCTTGAGCTGCCACTATCTACAGGGAAGTTTATGACCAGCCTTTTACAGCTCAGCC CTAGAGAAAAGAAGAGCACTAAGCAATCCAGGCGCCTGGACCTNCCCAGTCTCACGAGTT TGCTGAGTGAAAAGCCAAAGATTCTCATGAGAACAGAGTGCAGAGCTTTTACAGCAGAG CTGGAATGGNNGNAGTCTTGCTGTCTTTGCAATCAGCCTGTGATCACAGTGCCG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_024928
<b>Insert Size:</b>	1460 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_024928.3</a> , <a href="#">NP_079204.1</a>
<b>RefSeq Size:</b>	1451 bp
<b>RefSeq ORF:</b>	1107 bp
<b>Locus ID:</b>	79991
<b>UniProt ID:</b>	<a href="#">Q9H668</a>
<b>Cytogenetics:</b>	10q24.33

**Gene Summary:**

OBFC1 and C17ORF68 (MIM 613129) are subunits of an alpha accessory factor (AAF) that stimulates the activity of DNA polymerase-alpha-primase (see MIM 176636), the enzyme that initiates DNA replication (Casteel et al., 2009 [PubMed 19119139]). OBFC1 also appears to function in a telomere-associated complex with C17ORF68 and TEN1 (C17ORF106; MIM 613130) (Miyake et al., 2009 [PubMed 19854130]).[supplied by OMIM, Nov 2009]