

## Product datasheet for **SC320240**

### OBFC2B (NABP2) (NM\_024068) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | OBFC2B (NABP2) (NM_024068) Human Untagged Clone   |
| Tag:                      | Tag Free  |
| Symbol:                   | OBFC2B  |
| Synonyms:                 | hSSB1; OBFC2B; SOSS-B1; SSB1  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC (PS100020)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| Fully Sequenced ORF:      | <p>&gt;OriGene sequence for NM_024068.2</p> <pre> AGGGGTTGAGGCTGCCTGACCCAGCCTAATGGGGTAGGTAGGCCTTGGGAAGTGGAGCA TGGGGGCAAAGGATCCAAGCATTGAGCCTTCATCCTCTATTCCCCATCCAGTGGGGTGCC GAGGCTCAGGCAGCATGACGACGGAGACCTTTGTGAAGGATATCAAGCCTGGGCTCAAGA ATCTGAACCTTATCTTCATTGTGCTGGAGACAGGCCGAGTGACCAAGACAAGGACGGGC ATGAGGTTGCGACCTGCAAAGTGGCGGACAAAACAGGCAGCATCAATATCTGTCTGGG ACGATGTTGGCAATCTGATCCAGCCTGGGGACATTATCCGGCTCACCAAAGGTACGCTT CAGTTTTCAAAGTTGTCTGACACTATATACTGGCCGTGGGGGTGATCTGCAGAAGATTG GAGAATTCTGTATGGTTTATTCTGAGGTTCCCTAACTTCAGTGAGCCAAACCCAGAGTACA GCACCCAGCAGGCACCAACAAGGCGGTGCAGAACGACAGCAACCCTTCAGCTTCCCAGC CTACCACTGGACCCTCTGCTGCCTCTCCAGCCTCTGAGAACCAGAATGGGAATGGACTGA GTGCCCCACCAGTCCCCTGGTGGCCACATCCCCTCATACTCCCTCCACCCACCCA GCACCCGAATCACTCGAAGCCAGCCAACCACACACCTGCAGGCCCGCTGGCCCTTCCA GCAACCTGTAGTAACGGCAAAGAAACCCGGAGGAGCAGCAAGAGATAGCATGACATTC TTTCTTCTGCCACCAACCACATCCCAAGTGTCCCCTGGAGAGCAAGATAGCCTTCCACT GATTGGCTGGTGTAGCAGTATTTAGCCACTGAACTTCAGTGAGGGTGGTGAGCAGTGT CCTTATCCACCCTAATCTCATACTCCCTCATTGTCCAGCTGAACTACCTGTCCCCTGGGA GTCAGGACCCTCTGCCTGCTCTTTCTCTTTAGAAATGGCAGTTACTGGCTGGGCGCA GTGGCTCAGCTTGTAAATCCCAGCACTTTGGGAAGCCGAGGTGGGCGGATCACCTGAGGT CGGGAGTTCAAGACCAGCCTGACCAACATGGAGAAACCCCGTGTCTACTAAAAATACAGA ATTAGCCAGGCATGGTGGCGTATGCCTGTAATCCCAGCTACTTAGGAGGCTGAGGCAGGA GAATCTCTTAAACCGGGAGGCGGAGGTTGAGGTGAGCCGAAATTGCACCATGCACTCC AGCCTGGGCAATAAGAGCGAAACTCCATCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAA</pre> |
| Restriction Sites:        | Please inquire  |



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|-------------------------------|---|
| <b>ACCN:</b>                  | NM_024068   |
| <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_024068.2</a></u> , <u><a href="#">NP_076973.1</a></u>   |
| <b>RefSeq Size:</b>           | 1332 bp   |
| <b>RefSeq ORF:</b>            | 636 bp  |
| <b>Locus ID:</b>              | 79035   |
| <b>UniProt ID:</b>            | <u><a href="#">Q9BQ15</a></u>   |
| <b>Cytogenetics:</b>          | 12q13.3   |
| <b>Gene Summary:</b>          | Single-stranded DNA (ssDNA)-binding proteins, such as OBFC2B, are ubiquitous and essential for a variety of DNA metabolic processes, including replication, recombination, and detection and repair of damage (Richard et al., 2008 [PubMed 18449195]).[supplied by OMIM, Jun 2008]   |