

Product datasheet for **RG200876**

OBFC2B (NABP2) (NM_024068) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OBFC2B (NABP2) (NM_024068) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OBFC2B
Synonyms:	hSSB1; OBFC2B; SOSS-B1; SSB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200876 representing NM_024068 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGACGGAGACCTTTGTGAAGGATATCAAGCCTGGGCTCAAGAATCTGAACCTTATCTTCATTGTGC
TGGAGACAGGCCGAGTGACCAAGACAAAGGACGGGCATGAGGTTTCGGACCTGCAAAGTGGCGGACAAAAC
AGGCAGCATCAATATCTCTGTCTGGGACGATGTTGGCAATCTGATCCAGCCTGGGACATTATCCGGCTC
ACCAAAGGTACGCTTCAGTTTTCAAAGTTGTCTGACACTATACTGGCCGTGGGGTGATCTGCAGA
AGATTGGAGAATTCTGTATGGTTTATTCTGAGGTTCTAACTTCAGTGAGCCAAACCCAGAGTACAGCAC
CCAGCAGGCACCCAACAAGGCGGTGCAGAACGACAGCAACCCCTCAGCTTCCCAGCCTACCACTGGACCC
TCTGCTGCCTCTCCAGCCTCTGAGAACCAGAATGGGAATGGACTGAGTGCCCCACCAGGTCCCGGTGGTG
GCCACATCCCCCTCATACTCCCTCCCACCCACCAGCACCCGAATCACTCGAAGCCAGCCCAACCACAC
ACCTGCAGGCCCGCTGGCCCTCCAGCAACCCTGTTAGTAACGGCAAAGAAACCCGGAGGAGCAGCAAG
AGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200876 representing NM_024068
 Red=Cloning site Green=Tags(s)

MTTETFVKDIKPLKLNLIIFIVLETGRVTKTKDGHEVRTCKVADKTGSINISVWDDVGNLIQPGDIIRL
 TKGYASVFKGCL TLYTGRGGDLQKIGEFMYYSEVPNFSEPNPEYSTQQAPNKAVQNDSNPSASQPTTGP
 SAASPASENQNGNLSAPPGPGGGPHPPHTPSHPPSTRITRSQPNHTPAGPPGPSNPVSNKGKTRRSSK
 R

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024068

ORF Size: 633 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_024068.4](#)

RefSeq Size: 1332 bp

RefSeq ORF: 636 bp

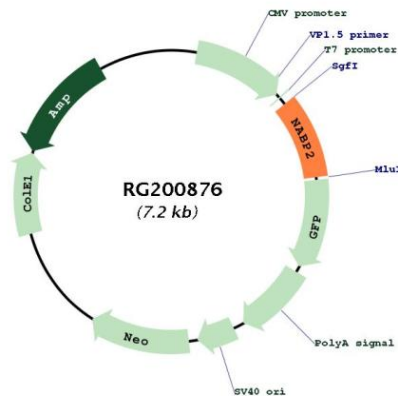
Locus ID: 79035

UniProt ID: [Q9BQ15](#)

Cytogenetics: 12q13.3

Gene Summary: 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]

Product images:



Circular map for RG200876