

Product datasheet for **RC231730**

NABP1 (NM_001254736) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NABP1 (NM_001254736) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NABP1
Synonyms: OBFC2A; SOSS-B2; SSB2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC231730 representing NM_001254736
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTGAAAGGATGTCTGACACTTTATACTGGAAGGGTGGTGAACCTCAAAAAATTGGGAATTTTGTA
TGGTTTATTCAGAAGTGCCAAATTCAGTGAACCAACCCAGATTATCGAGGACAGCAGAACAAAGGGC
ACAGAGTGAACAGAAGAATAATCCATGAATAGTAATATGGGTACAGGTACATTTGGACCACTGGGAAAT
GGTGTTCACACTGGCCCTGAATCAAGGGAACACCAAGTTTTCACATGCTGGCAGAACAATGGCCGGGGAC
TTATAATCCACAACCTACAAGGAACAGCTAGTAATCAAACAGTGATGACCACAATAAGTAATGGCAGGGA
CCCTCGGAGAGCCTTTAAAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231730 representing NM_001254736
Red=Cloning site Green=Tags(s)
MWKGCLTYTGRGGELQKIGEFMVYSEVPNFSEPNPDYRQQNKGAQSEQKNNMSMNSMGTGTFGPVGN
GVHTGPESREHQF SHAGRSNGRGLINPQLQGTASNQTVMTTISNGRDPRAFRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

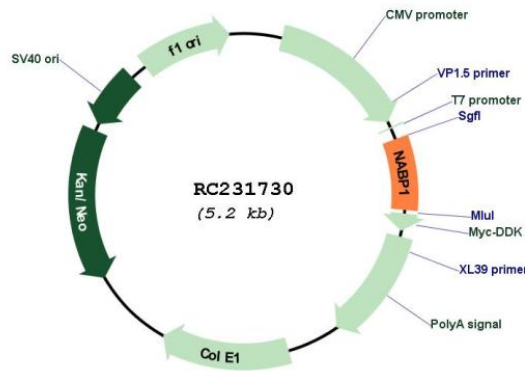


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001254736

ORF Size:

372 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:	<ol style="list-style-type: none">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_001254736.2
RefSeq Size:	3465 bp
RefSeq ORF:	375 bp
Locus ID:	64859
UniProt ID:	Q96AH0
Cytogenetics:	2q32.3
MW:	14 kDa
Gene Summary:	Single-stranded DNA (ssDNA)-binding proteins, such as OBFC2A, 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]