

Product datasheet for **RC223368**

FANCB (NM_001018113) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	FANCB
Synonyms:	FA2; FAAP90; FAAP95; FAB; FACB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC223368 representing NM_001018113
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACTAGCAAACAAGCAATGTCATCTAACGAACAAGAAAGGCTCTTGTTATAATGGGAAGTCCTTG
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AATGGTATTGACAGAGGAACAAAAGTATTTGTTCAAGTCCACTGGATTTTTACCATAAAGGAAGAA
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Protein Sequence:

>RC223368 representing NM_001018113

Red=Cloning site Green=Tags(s)

MTSKQAMSSNEQERLLCYNGEVLVFQLSKGNFADKEPTKTPILHVRRMVFDRTKVFVQKSTGFFTIKEE
 NSHLKIMCCNCVSDFRGTINLPYIVIEKNKNNVFEYFLLILHSTNKFEMRLSFKLGYEMKDGLRVLNGP
 LILWRHVKAFFFISSQTGKVVSVSGNFSIQWAGEIENLGMVLLGLKECCLSEEECTQEPSKSDYAIWNT
 KFCVVSLESQEVLSDIYIIPPAYSSVVTYVHICATEIIKNQLRISLIALTRKNQLISFQNGTPKNVCQLP
 FGDPCAVQLMDSGGGNLFFVVSFISNNACAVWKESFQVAAKWEKLSLVLIDDFIGSGTEQVLLLFKDSL
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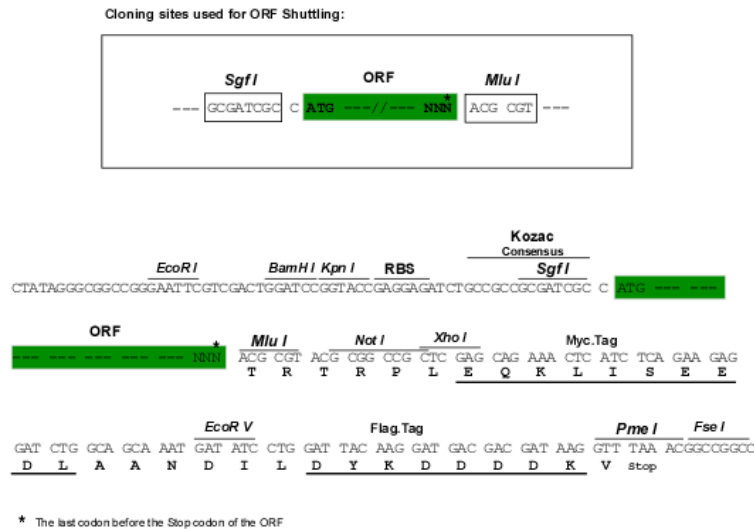
Chromatograms:

https://cdn.origene.com/chromatograms/mk8101_g02.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001018113

ORF Size: 2577 bp

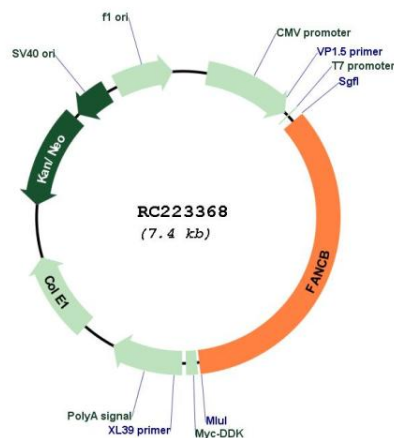
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001018113.3</u>
RefSeq Size:	3008 bp
RefSeq ORF:	2580 bp
Locus ID:	2187
UniProt ID:	<u>Q8NB91</u>
Cytogenetics:	Xp22.2
MW:	97.7 kDa
Gene Summary:	This gene encodes a member of the Fanconi anemia complementation group B. This protein is assembled into a nucleoprotein complex that is involved in the repair of DNA lesions. Mutations in this gene can cause chromosome instability and VACTERL syndrome with hydrocephalus. [provided by RefSeq, Apr 2016]

Product images:



Circular map for RC223368