

Product datasheet for **SC302191**

FANCB (NM_001018113) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FANCB (NM_001018113) Human Untagged Clone
Tag:	Tag Free
Symbol:	FANCB
Synonyms:	FA2; FAAP90; FAAP95; FAB; FACB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC302191 sequence for NM_001018113 edited (data generated by NextGen Sequencing)

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ATGACTAGCAAACAAGCAATGTCATCTAACGAACAAGAAAGGCTCTTGTGTTATAATGGGGAAGTCCTTG
TTTTCCAGTTGTCTAAAGGAAATTTTGCAGATAAAGAGCCTACAAAAACCCCATATTACATGTCAGAAG
AATGGTATTTGACAGAGGAACAAAAGTATTTGTTTCAGAAGTCCACTGGATTTTTACCATAAAGGAAGAA
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CATTCCATAAATCTGTTTTCAATCACATCACCCGGCTATGCCCTGAATTCAATGAAGGTGTGGCTCTT
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AAAGTAGCTGAGGTTGAGTTGAAATCAGACTTTGCTGCACAGAACTGAGTAATTTAATAA

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Clone variation with respect to NM_001018113.2
 2426:a=>t 2427:a=>c

Restriction Sites: Please inquire
ACCN: NM_001018113
Insert Size: 2900 bp

OTI Disclaimer:	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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001018113.1.
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:	<u>NM_001018113.1, NP_001018123.1</u>
RefSeq Size:	3015 bp
RefSeq ORF:	2580 bp
Locus ID:	2187
UniProt ID:	<u>Q8NB91</u>
Cytogenetics:	Xp22.2
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] Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2, and 3, encode the same protein.