

## Product datasheet for RC221634

### FANCA (NM\_000135) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FANCA (NM_000135) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FANCA
Synonyms:	FA; FA-H; FA1; FAA; FACA; FAH; FANCH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221634 representing NM_000135 Red=Cloning site Blue=ORF Green=Tags(s)

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**Protein Sequence:** >RC221634 representing NM\_000135  
 Red=Cloning site Green=Tags(s)

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```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

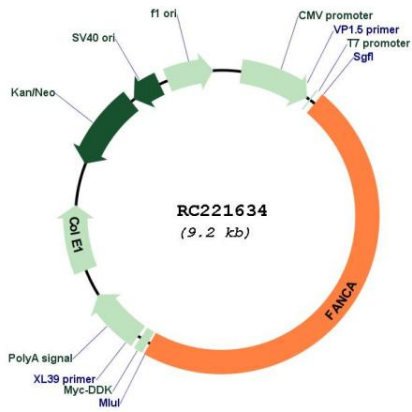


**ACCN:** NM\_000135

**ORF Size:** 4365 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_000135.4</a>
<b>RefSeq Size:</b>	5460 bp
<b>RefSeq ORF:</b>	4368 bp
<b>Locus ID:</b>	2175
<b>UniProt ID:</b>	<a href="#">O15360</a>
<b>Cytogenetics:</b>	16q24.3
<b>Domains:</b>	Fanconia
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	162.6 kDa
<b>Gene Summary:</b>	<p>The Fanconi anemia complementation group (FANC) currently includes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2, FANCE, FANCF, FANCG, FANCI, FANCI (also called BRIP1), FANCL, FANCM and FANCN (also called PALB2). The previously defined group FANCH is the same as FANCA. Fanconi anemia is a genetically heterogeneous recessive disorder characterized by cytogenetic instability, hypersensitivity to DNA crosslinking agents, increased chromosomal breakage, and defective DNA repair. The members of the Fanconi anemia complementation group do not share sequence similarity; they are related by their assembly into a common nuclear protein complex. This gene encodes the protein for complementation group A. Alternative splicing results in multiple transcript variants encoding different isoforms. Mutations in this gene are the most common cause of Fanconi anemia. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RC221634