

Product datasheet for SC318846

FANCL (NM_001114636) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FANCL (NM_001114636) Human Untagged Clone
Tag:	Tag Free
Symbol:	FANCL
Synonyms:	FAAP43; PHF9; POG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318846 representing NM_001114636. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGTGACGGAAGCGAGCCTGTTGCCAGT GCCCCTGCTTCTGCCCCAGAACCGGTGAAAAAC
GTGTATGAGGGATTCATCTCGGCTCAGGGAAGAGACTTCCACCTTAGGATAGTGTGCTGAAGATTTA
CAACTGAAGAATGCAAGATTATTATGTAGTTGGCAGCTGAGAACAATACTTAGTGGATACCATCGAATA
GTACAACAGAGAATGCAGCACTCTCCTGATCTAATGAGCTTTATGATGGAGTTGAAGATGCTTTTGGAA
GTTGCCTTAAAGAATAGACAAGAGCTGTATGCACTACCTCCTCCCGAGTTCTACTCAAGCCTTATT
GAAGAGATAGGAACTCTGGTTGGGATAAACTTGTGTATGCGGATACCTGCTTCAGTACCATCAAGTTA
AAAGCAGAAGATGCTTCTGGTAGAGAGCATTTAATCACTCTCAAGTTGAAGGCAAAGTATCCTGCAGAA
TCACCAGATTATTTGTGGATTTTCTGTTCATTTTGTGCCCTCGGACACCTCAGGTAATTTCTCCT
CAGAGCTCCTTAATAAGCATTATAGTCAGTTTTTGGCAGCAATAGAATCACTAAAGGCATTCTGGGAT
GTTATGGATGAAATCGATGAGAAGACCTGGGACTTGAGCCAGAAAAACCTCCACGGAGTGCAACAGCA
CGCAGAATTGCATTAGGTAATAATGTTCCATAAATATAGAGGTAGACCCAGGCATCCTACTATGCTT
CCTGAGTGCTTCTTTCTGGAGCTGACCATGTGGTAAAACCCCTGGGAATTAAGCTGAGCAGGAACATA
CATTTGTGGGATCCAGAAAAATAGTGTGTACAAAAATTTGAAAGATGTTTTAGAAATGATTTTCCAGCT
CGTGCTATCCTGGAAAAATCTGATTTTACTATGGATTGTGAATTTGTTATGCTTATCAACTTGACGGT
ACCATTCTGATCAAGTGTGTGATAATTCTCAGTGTGGACAACCTTTCCATCAAATATGCTTATATGAG
TGCTGAGAGGACTACTAAGTAGAGAGAGTTTTAACATCATATTTGGTGAATGTCCATATTGTAGT
AAGCCAATTACCTTAAAAATGTCTGGAAGGAAACACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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ACCN:	NM_001114636
Insert Size:	1143 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001114636.1</u>
RefSeq Size:	1753 bp
RefSeq ORF:	1143 bp
Locus ID:	55120
UniProt ID:	<u>Q9NW38</u>
Cytogenetics:	2p16.1
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	43.4 kDa
Gene Summary:	<p>This gene encodes a ubiquitin ligase that is a member of the Fanconi anemia complementation group (FANC). Members of this group are related by their assembly into a common nuclear protein complex rather than by sequence similarity. This gene encodes the protein for complementation group L that mediates monoubiquitination of FANCD2 as well as FANCI. Fanconi anemia is a genetically heterogeneous recessive disorder characterized by cytogenetic instability, hypersensitivity to DNA crosslinking agents, increased chromosomal breakage, and defective DNA repair. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2018]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>