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Product datasheet for MC204775

Fancl (NM_025923) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fancl (NM_025923) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fancl
Synonyms:	2010322C19Rik; AW554273; B230118H11Rik; gcd; P; Phf; Phf9; Pog
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC066181 CCCACGCGTGGCCGCCCGGGCCAAGCAGTGGTAACAACGCAGAGTGTACGCGGGGGCGCCATGGACGAAG CAGAAGCAAGCCTGTTGCGCCATTTCCCGCTGCTACTTCCTCAGAACCGGGAGAAAACTGTGTATGAGGG ATTCATTTCGGCTCAGGGAAGTGACTTTCACCTCAGAATAGTGCTGCCTAAGGACCTGCAGCTCAAGAAG GCAAGATTACTGTGTAGCCTGCAGCTGAAAAATATACTTAATGAGTACCATCAAGTAGTCCAACAGAGAA TGAAGCACTCTCCTGATCTAATGAGTTTTATGATGGAATTGAAGATGATTTTGGAAGTTGCTTTAAAGAA TAAGCAAGAGTTGTGTGTACAGCCACCTTCTTGCAGTTTCTGCAAAGACCTTCTTACTGAGATAGGAGCC ATTGGTTGGGATAAACTCGCATGTGTGGAGAGTTCCTTCAGCACCATCAAGTTAAAAGCAGATGATGCTT CTGGTAGGAAGCACCTAATCACTGTCAAGTTGAAGGCAAAGTATCCTGTAGAGCCACCAGATTGTGTTGT GGACTTTCCTGTCCCATTTTCTGTTTCCTGGACACCACAGAGCTCCTTGGTAGATGTTTATAGTCAGTTC TTGGTGGCATTAGAGACGCTGAAGGTGTTCTGGGATGTTATGGATGAAATTGATGAGAAGACCTGGGTGC TGGAGCCAGAGAAACCTCCCCGGAGTGCAACAGCACGCAGGATTGCATTAGGAAAGAATGTTTCCATAGC CATCGAGGTGGACCCCAGGCACCCTACCATGCTTCCTGAGTTTTGCTTTCTTGGAGCTGACCATGTGACA AAACCCCTGGGAATGAAGCTGAGTGGTAGCATTCATTTATGGGATCCAGAAAATAGTCTGTTACAAAATT TGAAAGATGTTTTAGAAATTGATTTCCCAGCTCGTAGTATCTTGGAAGAATCTGACTTTAGCATGGACTG TGGAATCTGTTATGCCCGTCACCTGAATGGTGCCATTCCTGATCAAGTGTGTAATAATCCCCAGTGTGGA CAACCTTTCCATGAAATATGTCTGTATGAGTGGCTGAGAGGGTTGAGCACCAGCAGACAGAGTTTTAACG TCTTCTTTGGTGACTGTCCCTATTGTAGTAAGCCAATTACCTTGAAAATGTCTGGGAGAAAACCTTGAAT GGAACCTACCTGTGAAGAGATGGAATGCTTAAAAGTTGTTTAAAAATAAAAACAAAAGCAAAAACCAATT TATTTGATGACTTCAGAGAAAATACAAAGCAAGAAATACAAATATCAGCAGACAGAATATAGTGATCCCA TAGTAATACACATCTGCCTTTGTCTCTTCACTCAGAGTCAACTGAAAAATTGCAGGCCAAAACCTTGGAG AACTTTCCAAGTCTGTGACTCCCAGATTACCCGTGGGCGTGTGTCTGTACCGAGGCAGGGGTCTTGGCTT CCTGATGGGATCTCTTCTAGTGCAGTCCAGATAGGGCTTGCAATATGAACCTTGGAAACTCATATAGCTG GGTGTTTGTTGAAGACTCTGCATCTCACTGAAAATATCAGAATATTCATGTATTTTCCTTGTCCTTGAGT TTTCCTATGAAAGAAATATATTTTGTTAGATTTGAATTATCGAGGCATTTATTGTGTACTCTTCAACAGT GCTAAATAAAACAACATACCAAGTAAAAAAAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:	RsrII-NotI
ACCN:	NM_025923
Insert Size:	1128 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).
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:	BC066181, AAH66181
RefSeq Size:	1732 bp
RefSeq ORF:	1128 bp
Locus ID:	67030
UniProt ID:	Q9CR14
Cytogenetics:	11 A3.3
Gene Summary:	This gene encodes the complementation group L subunit of the multimeric Fanconi anemia (FA) nuclear complex composed of proteins encoded by over ten Fanconi anemia complementation (FANC) group genes. The FA complex is necessary for protection against DNA damage. This gene product, an E3 ubiquitin ligase, catalyzes and is required for the monoubiquitination of the protein encoded by the Fanconi anemia, complementation group D2 gene, a critical step in the FA pathway (PMID: 12973351, 21229326). In mouse, mutations of this E3 ubiquitin ligase gene can lead to infertility in adult males and females, and a deletion of this gene can cause embryonic lethality in some genetic backgrounds. A pseudogene of this gene has been identified on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).