

Product datasheet for MR222128L3

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Fancl (NM_025923) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Fancl (NM_025923) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Fancl

Synonyms: 2010322C19Rik; AW554273; B230118H11Rik; gcd; P; Phf; Phf9; Pog

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Sgfl-Mlul

E. coli Selection: Chloramphenicol (34 ug/mL)

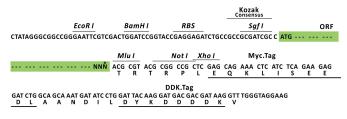
ORF Nucleotide The ORF insert of this clone is exactly the same as(MR222128).

Sequence:

Restriction Sites: Cloning Scheme:

Sgf 1 ORF Mlu I

GGG ATC GC ATG ---//--- NNN ACG CGT ---



st The last codon before the Stop codon of the ORF.

ACCN: NM_025923

ORF Size: 1125 bp



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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.

RefSeq: NM 025923.2

 RefSeq Size:
 1798 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

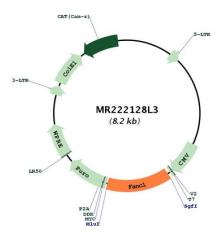
DNA damage. This gene product, an E3 ubiquitin ligase, catalyzes and is required for the monoubiquitination of the protein encoded by the Fanconi anemia, complementation group D2 gene, a critical step in the FA pathway (PMID: 12973351, 21229326). In mouse, mutations of this E3 ubiquitin ligase gene can 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]



Product images:



Circular map for MR222128L3