

Product datasheet for MC218552

Fanci (BC027836) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fanci (BC027836) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fanci
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>OriGene sequence for BC027836 edited

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CCACGCGTCCGAGAGCGGGAATTTTGAAGGATCCCGAGCTGAGGTTGAGTTCTCTGATATGAGCAACCA
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TCATCATGGGAGTGTGTGAAGTTCTAATGGAATATAATTTCTCCATAAGTAACTTCAGCAAGAGTAAGTT
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 CAAGCTTCTAACCAACTCTGGCATTTCAGCACAGATACATTTTTTCCACATAAGAATGCACCTTTGGCT

Restriction Sites:

SgfI-MluI

ACCN:

BC027836

Insert Size:

1728 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: [BC027836.1](#)

RefSeq Size: 4524 bp

RefSeq ORF: 1184 bp

Locus ID: 208836

Cytogenetics: 7 D2

Gene Summary: Plays an essential role in the repair of DNA double-strand breaks by homologous recombination and in the repair of interstrand DNA cross-links (ICLs) by promoting FANCD2 monoubiquitination by FANCL and participating in recruitment to DNA repair sites. Required for maintenance of chromosomal stability. Specifically binds branched DNA: binds both single-stranded DNA (ssDNA) and double-stranded DNA (dsDNA). Participates in S phase and G2 phase checkpoint activation upon DNA damage.[UniProtKB/Swiss-Prot Function]