

Product datasheet for MR202161

Mnd1 (NM_029797) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mnd1 (NM_029797) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mnd1
Synonyms: 2610034E18Rik; AI591601; Gaj
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202161 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCAAAGAAAAGAGGACTGAGTGGGGAGGAAAAGAGAACC CGGATGATGGAGATATTTTTGAGACAA
 AAGATGTATTCCAGCTGAAAGACCTGGAGAAGCTCGTCCCAAAGAGAAAGGCATAACCGCCATGTCAGT
 GAAGGAAGTCCTTCAGAGCCTAGTGGATGATGGTATGGTTGACTGTGAGAGGATCGGGACGTCCAATTAC
 TATTGGGCTTTCCGAGCAAGGCTCTTCATGCCAGGAAGCGCAAGTTGGAGGCTCTGAACTCTCAGCTGT
 CAGAGGGAAGCCAGAAGCATGCAGACTTACAGAAGAGCATTGAGAAAGCAAGAGTTGGCCGCAAGAGAC
 GGAAGAACGAGCCATGCTTGCAAAAAGAACTTTCTTCATTCGAGACCAAAGGCAACAACCTTAAGGCAGAA
 GTGGAAAAATATCGAGAATGTGACCCACAGGTTGTGGAAGAGATACGTGAAGCAAATAAAGTAGCTAAAG
 AAGCCGCAATCGATGGACTGATAACATATTTGCAATAAAATCCTGGCCAAAAGAAAAATTTGGGTTTGA
 AGAAAGTAAAATTGATAAAAACCTTTGGAATTCAGAAGACTTTGACTACATAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202161 protein sequence
 Red=Cloning site Green=Tags(s)

MSKKRGLSGEEKRTRMMEIFFETKDVFLKDLKLEKAPKEKGITAMSVKEVLQSLVDDGMVDCERIGTSNY
 YWAFPSKALHARKRKLEALNSQLSEGSQKHADLQKSIEKARVGRQETEERAMLAKELSSFRDQRQQLKAE
 VEKYRECDPQVVEEIREANKVAKEAANRWTDNIFAIKSWAKRKFGEESKIDKNFGIPEDFDYID

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

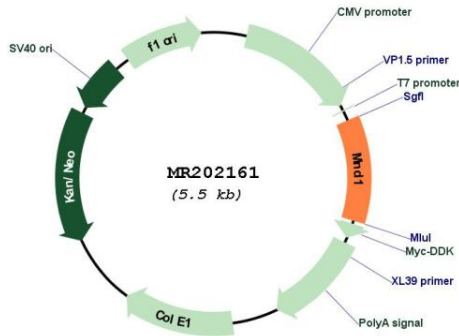


Cytogenetics: 3 F1

MW: 23.8 kDa

Gene Summary: Required for proper homologous chromosome pairing and efficient cross-over and intragenic recombination during meiosis. Stimulates both DMC1- and RAD51-mediated homologous strand assimilation, which is required for the resolution of meiotic double-strand breaks. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202161