

Product datasheet for **MC218451**

2700019D07Rik (BC089514) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2700019D07Rik (BC089514) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	2700019D07Rik
Synonyms:	2700019D07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC089514
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTTTCTGCAACATATGTGGTGAAACTGTAACTCAGAACCAGATATGAAAGCTCACCTAATTGTTC
 ACATGGAAAATGAAATTATCTGTCCATTTTGAAGTTGTGAGGTATAAATTACAACGAAAATATGTTTTCA
 TATCGAAGCTGTTCAATTTGAACAAAATGCACCAGAAAAAACTCTGAGAAGCTAGCTGCAGTGCAATAT
 GGACATTCAGACCGAAAGAACACCAACCTGCAGAGTACAGCGGAAGTTACTTCAGGCATTCATTCAGCTT
 GTGCATCTAGCTTTCCAAAAGAGTCATCTGAAAGCCTTCTAAAGATAGGACTGTAAAGCATGAAGCTTT
 TTATACAGAGAACAATACTGAATCTAGAAAAGTACAAAAGAGCAGAGAAAAGAAGCCTGGATTGTCTGAG
 GCCCAAGGATCAATTTATGAAACAACATACAGTCTCCCGAATGTCCATTTTGTGAAAAAATTGAGGGGT
 GTAGTCAAGATATGAAAATTCATGTGAAAACAAGCATGCCAGTCTTTTAGAAAAGTCCATTAAGAACTG
 TCATCAACCCTCTATGACTGTCCCATGTGTGGGCTTGTCTGTACAAATTACCATATTCTCCAGGAACAT
 GTGGACTTGCATTTAGAAGAAAGCAGCTTTCAGCAAGGCATGGACAGAGTCCAGTGTTCAGTGATAGAG
 AATTAGCTCACCGGCTTCAGCAAGAAGAAGACAGAAAAGAGGAAATCTGAAGAATCAAGACAAGAAAGGGA
 AGAGTTTCAGAAGTTGCAGCGGCAATATGGTTTAGATAATTCTGGAGGATACAAACAACAGCAGCTACGA
 CATATGGAGCTAGAAGTAAATAGGGGAAGAATGCATCCATCTGAATTTTATAGCAGAAAAGCTGACATGT
 TGGAAATCAATAGCTATTGGTATTGATGATGAAAAACAACAACTCTGGAATTATTGAAGCCCTCCATAG
 GTATTATCAGAACTGCCACAGATGAAGGTGTGTGGCTTTCTACAGTGGTGGATCACTTTCACTCA
 TCTTTTGGGACAAAGGTTGGGTTGCGGTTATAGAAAACCTCCAGATGCTACTTTTCATCATTATTGCAAA
 GTGATGTATATGGTGACTGCTTGAAGGTATGGCAGTTCCTTGTATTCCAAAAATTCAGTCCATGATTGA
 AGATGCATGGAATGAAGGTTTTGATCCTCAGGGAGCCTCTCAACTTAATAACAAAATTACAGGGAACAAAG
 GCCTGGATTGGAGCGTGTGAGATTTATACACTTCTGACCTCACTGAGAGTAAAGTGCCGCATTATTGATT
 TTCACAAGTCACTGGTCTTTGGGTACACACCCTCGCTTATTTGAATGGATATTGAACTATTATTCTTC
 AGAGACGGAAGGAACTCCAAAGATCGTGTGTACATCTAAACCTCTATCTATCTCCAGCATCAGGGTCAC
 AGTCGAACAGTTGTTGGAATTGAAGAGAAAAAAACCGAACATTATGCTTGTAGTATTTGATCCTGGAT
 GTCCTTCTCGAGAAATGCAGAACTGTTAAAGCAAGATATGGAGGCTAGTAGTCTTAGACAACCTCGGAA
 ATCTGTGGGAAATCTAAACATAAGCAGTACCAGATAGTAGCAGTAGAGGGTGTCTTTCCCGAGAGGAA
 AAAGTTGCCAGGAAACAAGCTTCGCAAGTGTTCACAGCGGAGAAGATTCCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: BC089514

Insert Size: 1734 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: [BC089514](#), [AAH89514](#)

RefSeq Size: 2176 bp

RefSeq ORF: 1733 bp

Locus ID: 72580

Cytogenetics: 10 B1

Gene Summary: Deubiquitinase with endodeubiquitinase activity that specifically interacts with and cleaves 'Lys-63'-linked long polyubiquitin chains. Shows only weak activity against 'Lys-11' and 'Lys-48'-linked chains. Plays an important role in genome stability pathways, functioning to prevent spontaneous DNA damage and also promote cellular survival in response to exogenous DNA damage. Modulates the ubiquitination status of replication protein A (RPA) complex proteins in response to replication stress.[UniProtKB/Swiss-Prot Function]