

## Product datasheet for **MR209053**

### 2700019D07Rik (BC089514) Mouse Tagged ORF Clone

#### Product data:

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



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**ORF Nucleotide Sequence:**

>MR209053 representing BC089514  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTTTCTGCAACATATGTGGTGAAACTGTAACTCAGAACCAGATATGAAAGCTCACCTAATTGTTCC  
 ACATGGAAAATGAAATTATCTGTCCATTTTGAAGTTGTAGGTATAAATTACAACGAAAATATGTTTTCA  
 TATCGAAGCTGTTCAATTTGAACAAAATGCACCAGAAAAAACTCTGAGAAGCTAGCTGCAGTGCAATAT  
 GGACATTCAGACCGAAAGAACACCAACCTGCAGAGTACAGCGGAAGTTACTTCAGGCATTCATTCAGCTT  
 GTGCATCTAGCTTTCCAAAAGAGTCATCTGAAAGCCTTCTAAAGATAGGACTGTAAAGCATGAAGCTTT  
 TTATACAGAGAACAATACTGAATCTAGAAAAGTACAAAAGAGCAGAGAAAAGAAGCCTGGATTGTCTGAG  
 GCCCAAGGATCAATTTATGAAACAACATACAGTCTCCCGAATGTCCATTTTGTGAAAAAATTGAGGGGT  
 GTAGTCAAGATATGAAAATTCATGTGAAAACAAGCATGCCAGTCTTTAGAAAAGTCCATTAAGAACTG  
 TCATCAACCCTCTATGACTGTCCCATGTGTGGGCTTGTCTGTACAAATTACCATATTCTCCAGGAACAT  
 GTGGACTTGCATTTAGAAGAAAGCAGCTTTCAGCAAGGCATGGACAGAGTCCAGTGTTCAGTGATAGAG  
 AATTAGCTCACCGGCTTCAGCAAGAAGAAGACAGAAAAGAGGAAATCTGAAGAATCAAGACAAGAAAGGGA  
 AGAGTTTCAGAAGTTGCAGCGGCAATATGGTTTAGATAATTCTGGAGGATACAAACAACAGCAGCTACGA  
 CATATGGAGCTAGAAGTAAATAGGGGAAGAATGCATCCATCTGAATTTTACAGCAAAAAGCTGACATGT  
 TGGAAATCAATAGCTATTGGTATTGATGATGAAAAACAACAACTCTGGAATTATTGAAGCCCTCCATAG  
 GTATTATCAGAACTGCCACAGATGAAGGTGTGTGGCTTTCTACAGTGGTGGATCACTTTCACTCA  
 TCTTTTGGGACAAAAGGTTGGGTTGCGGTTATAGAAAACCTCCAGATGCTACTTTTCATCATTATTGCAAA  
 GTGATGTATATGGTGACTGCTTGAAGGTATGGCAGTTCCTTGTATTCCAAAAATTCAGTCCATGATTGA  
 AGATGCATGGAATGAAGTTTTGATCCTCAGGGAGCCTCTCAACTTAATAACAAAATTACAGGGAACAAAAG  
 GCCTGGATTGGAGCGTGTGAGATTTATACACTTCTGACCTCACTGAGAGTAAAGTGCCGCATTATTGATT  
 TTCACAAGTCACTGGTCTTTGGGTACACACCCTCGCTTATTTGAATGGATATTGAACTATTATCTTTC  
 AGAGACGGAAGGAACTCCAAAGATCGTGTGTACATCTAAACCTCTATCTATCTCCAGCATCAGGGTCCAC  
 AGTCGAACAGTTGTTGGAATTGAAGAGAAAAAAACCGAACATTATGCTTGTAGTATTTGATCCTGGAT  
 GTCCTTCTCGAGAAATGCAGAACTGTTAAAGCAAGATATGGAGGCTAGTGTCTAGACAACTTCGGAA  
 ATCTGTGGGAAATCTAAACATAAGCAGTACCAGATAGTAGCAGTAGAGGGTGTCTTTCCCGAGAGGAA  
 AAAGTTGCCAGGAAACAAGCTTCGCAAGTGTACAGCGGAGAAGATTCTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR209053 representing BC089514  
 Red=Cloning site Green=Tags(s)

MLSCNICGETVNSEPMKAHLIVHMENEIICPFCKLSGINYNEICFHIEAVHFEQNAPEKNSEKLAQVQY  
 GHSDRKNLNLQSTAEVTSGIHSACASSFPKESSESLPKDRTVKHEAFYTENITESRKYQKSREKKPGLSE  
 AQQSIYETTYSPPECPFCGKIEGCSQDMEIHVKTKHASLLESPLKDCHQPLDYDCPMCLVCTNYHILQEH  
 VDLHLEESSFQQGMDRVQCSSDRELAHRLQQEEDRKRKSEESRQEREFFQKLQRQYGLDNSGGYKQQQLR  
 HMELEVNRRMHPSEFHSRKADMLESIAGIDDGKTKTSGIIEALHRYYQNTATDVRCVWLSTVVDHFHS  
 SFGDKGWGCGYRNFQMLLSLLQSDVYGDCLKGMVPCIPKIQSMIEDAWNEGFDPQASQLNKLQGTK  
 AWIGACEIYTLTSLRVKCRIIDFHKSTGPLGTHPRLFEWILNYYSSETEGTPKIVCTSKPPIYLQHQGH  
 SRTVVGIEEKKNRTLCLLVDFPGCPSPREMQKLLKQDMEASSLRQLRKS VGNLKHKQYQIVAVEGVLSPPE  
 KVARKQASQVFTAEEKIP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9061\\_b03.zip](https://cdn.origene.com/chromatograms/mm9061_b03.zip)

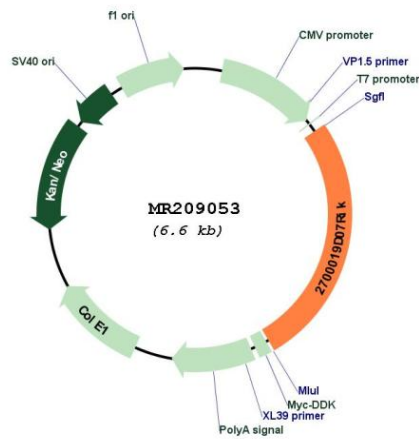
**Restriction Sites:**

Sgfl-Mlul



**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]

**Product images:**


Circular map for MR209053