

Product datasheet for **MC219099**

Zufsp (NM_028287) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zufsp (NM_028287) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zufsp
Synonyms:	2700019D07Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219099 representing NM_028287
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCTTTCTGCAACATATGTGGTGAAACTGTAACTCAGAACCAGATATGAAAGCTCACCTAATTGTTC
ACATGGAAAATGAAATTATCTGTCCATTTTGAAGTTGTCAGGTATAAATTACAACGAAAATATGTTTTCA
TATCGAAAAGTGTTCATTTTGAACAAAATGCACCAGAAAAAACTCTGAGAAGCTAGCTGCAGTGCAATAT
GGACATTCAGACCGAAAGAACACCAACCTGCAGAGTACAGCGGAAGTTACTTCAGGCATTCATTCAGCTT
GTGCATCTAGCTTTCCAAAAGAGTCATCTGAAAGCCTTCTAAAGATAGGACTGTAAAGCATGAAGCTTT
TTATACAGAGAACATAACTGAATCTAGAAAAGTACAAAAGAGCAGAGAAAAGAAGCCTGGATTGTCTGAG
GCCCAAGGATCAATTTATGAAACAACATACAGTCTCCCGAATGTCCATTTTGTGAAAAAATTGAGGGGT
GTAGTCAAGATATGAAAATTCATGTGAAAACAAGCATGCCAGTCTTTAGAAAAGTCCATTAAGAACTG
TCATCAACCCTCTATGACTGTCCCATGTGTGGGCTTGTCTGTACAAATTACCATATTCTCCAGGAACAT
GTGGACTTGCATTTAGAAGAAAGCAGCTTTCAGCAAGGCATGGACAGAGTCCAGTGTTCAGTGATAGAG
AATTAGCTCACCGGCTTCAGCAAGAAGAAGACAGAAAAGAGGAAATCTGAAGAATCAAGACAAGAAAGGGA
AGAGTTTCAGAAGTTGCAGCGGCAATATGGTTTAGATAATTCTGGAGGATACAAACAACAGCAGCTACGA
CATATGGAGCTAGAAGTAAATAGGGGAAGAATGCATCCATCTGAATTTTCATAGCAGAAAAGCTGACATGT
TGGAAATCAATAGCTATTGGTATTGATGATGAAAAACAACAACTTCTGGAATTATTGAAGCCCTCCATAG
GTATTATCAGAACTGCCACAGATGAAGGTGTGTGGCTTTCTACAGTGGTGGATCACTTTCACTCA
TCTTTTGGGACAAAAGTTGGGTTGCGGTTATAGAAAACCTCCAGATGCTACTTTCATCATTATTGCAAA
GTGATGTATATGGTGACTGCTTGAAGGTATGGCAGTTCCTTGTATTCCAAAAATTCAGTCCATGATTGA
AGATGCATGGAATGAAGTTTTGATCCTCAGGGAGCCTCTCAACTTAATAACAAAATTACAGGGAACAAAG
GCCTGGATTGGAGCGTGTGAGATTTATACACTTCTGACCTCACTGAGAGTAAAGTGCCGCATTATTGATT
TTCACAAGTCACTGGTCTTTGGGTACACACCCTCGCTTATTTGAATGGATATTGAACTATTATTCTTC
AGAGACGGAAGGAACTCCAAAGATCGTGTGTACATCTAAACCTCTATCTATCTCCAGCATCAGGGTCAC
AGTCGAACAGTTGTTGGAATTGAAGAGAAAAAAACCGAACATTATGCTTGTAGTATTTGATCCTGGAT
GTCCTTCTCGAGAAATGCAGAACTGTTAAAGCAAGATATGGAGGCTAGTAGTCTTAGACAACCTCGGAA
ATCTGTGGGAAATCTAAACATAAGCAGTACCAGATAGTAGCAGTAGAGGGTGTCTTTCCCGAGAGGAA
AAAGTTGAAGTATTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_028287

Insert Size: 1701 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: [NM_028287.2](#), [NP_082563.1](#)

RefSeq Size: 2364 bp

RefSeq ORF: 1701 bp

Locus ID: 72580

UniProt ID: [Q3T9Z9](#)

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]