

Product datasheet for **MC219632**

Rufy2 (NM_027425) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rufy2 (NM_027425) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rufy2
Synonyms:	2610111M19Rik; AI844453; Denn; LZ-FYVE; ZFYVE13
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219632 representing NM_027425
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTACAAAGGACCCACAGCCGTGGAGAGAGCCAACCTGTTAAACATGGCTAAACTGAGTATCAAAG
 GGCTCATCGAGTCTGCCCTGAGCTTCGGCCGCAGCTGGACTCTGACTACCCTCCTCTGCAGCAGTTCTT
 CGTGGTCATGGAACATTGTCTGAAACACGGCCTGAAAGGGAGAAAATCATTTTTGAGCTATAACAAAAC
 ATTTGGGGCCCCCTGGAAGTGGTGGAGAAGCTGTACCCAGAAGCAGAGGAGATCGGGGCGAGTGTCCGGG
 ACTTGCCTGGGCTTAAGACTCCGCTTGGCCGTGTAGAGCGTGGCTCCGATTAGCCCTCATGCAGAAAAA
 AATGGCCGATTACTTGCCTTGTAAATTATCCAGAGGGAGCTCCTAAGTGAGTTCTATGAGTACCATGCA
 CTGATGATGGAGGAGGAGGGAGCCGTGATTGTCCGGCTGTGGTCCGCTTGAACGTGATTGATGCCAATC
 TGTGTGTGAAGGGAGAGGACCTAGACTCCCAGGTTGGGGTATTGACTTCTCCATGTACTAAAGAATGA
 AGAAGAGATCGGAAACAAGGAAAGGAACGTTCAAATCGCCGCCATCTTAGACAAAAGAATTATGTTGAA
 GAGCTAAACAGACAACCTAACAGCACAGTCAGCAGCCTCCATTCAAGAGTGGACTCGTTAGAAAAGTCAA
 AACTAAGCTGATCGAAGAGTTAGCAATAGCGAAGAATAATATCATAAAGCTCCAAGAAGAAAACCATCA
 ATTGCGTAGTGAAAATGAGCTGATCTTAATGAGAACTCGGCAGCACCTGGAGGTTACCAAAGTGGATGTA
 GAAACGGAGCTTCAAACATACAAGCATTCCCGCAAGGCCCTAGACGAGATGTATAACGATGCCAGGAGGC
 AGCTTCGAGACGAGTCCGAGCTCCGACAGGATGTGGAGAATGAGCTATCAGTACAAGTTGGCATGAAGCA
 TGAGATGGAGCTGGCCATGAAGCTGTTGGAGAAAGACATTCACGAGAAAACAAGACTCTCATAGGCCTT
 CGGCAACAGCTGGAAGAAGTCAAAGCAATCAACATTGAGATGTATCAAAGGCTGCAGGGCTCTGAAGATG
 GCTTGAAGAAAAAATGAAATAATTGCCCGACTAGAAGAAAAGACCAATAAGTCACTACAGCCATGAG
 GCAGCTGGAGCAAAGATTGCAGCAAGCAGAGAAGGCGCAAAAGGAAGCAGAAGCCGAGGATGAGAAATAT
 GCCCAGGAGTGTCTGAGCCAATCCGACAGTCTGCAGAGACAGATCTCGCAGAAGGAGCAACAGCTGGTGC
 AGCTGGAACGGACTTGAAGATCGAGAAGGAATGGAGACAGACTTTGCAAGAAGATCTTCAAAGGAAAA
 AGATGTCTATCTCATCTTAGACATGAAACCCAAAAAGTCATAAGTCTTAAAAAGAGTTTCTTAACCTC
 CAGGATGAAAATCAGCAGTTGAAAAGGATTTATCAGGAACAAGAACAAGCTCTGCAAGAACTTGGCAGCA
 AACTCTGCGAATCGAACTTAAAATAGACGATATAAAAGAAGCCAACAAGCACTACAGGGACTGGTCTG
 GTTAAAAGACAAAGATGCAACCCACTGTAAGCTTTGTGAGAAGGAATTTCACTCTCAAAGAAAAGCAC
 CACTGTAGAAACTGCGGAGAAATTTCTGTAATGCCTGCTCTGACAACGAGCTGCCTTTGCCTTCTTAC
 CAAAGCCAGTCCGAGTCTGTGATTCTGCCATGCAATGCTCATTAGAGATGCTCCTTAACATGCCATG
 A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_027425

Insert Size: 1821 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_027425.3](#), [NP_081701.2](#)

RefSeq Size: 8936 bp

RefSeq ORF: 1821 bp

Locus ID: 70432

UniProt ID: [Q8R4C2](#)

Cytogenetics: 10 32.51 cM