

## Product datasheet for MC214841

### Znrf2 (NM\_199143) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Znrf2 (NM_199143) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Znrf2
Synonyms:	1190002C14Rik; AU044205; D6ErtD365e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC214841 representing NM_199143 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCGCCAAGCAGAGCGGCCCGCCGCAACGGCCGACCCGTGCCTACTCGGGCTCGGACCTGCCCT  
CCGGGACCGGCAGCGCGCGGGGGCGGACGGCGCTCGGGCGGCCGTTTCGCGGCCCGGTGTCCGG  
CGCGCAGCAGCCAGCGCCTCGGCCGGCGGGCGGCTGCAGCGCGGGCGGCCCTCGGCCCGGCAGCG  
CCCCGTAGCCGCTCGCTCGCGGGGGCGTGGGCAGCGCGTGGGGCGCCGCGGGCGCAGTCGGCCCTCA  
GCATCCCCAGCGCTGGCGGGCGGGCGGCCGTACGGCTCACAGGACTCAGTGCACAGCAGCCAGAGGA  
CAGCGTCCGGCGCTAGGGACCGGGACCGCCGGCGGGGGCCCTGGCGGGCCGCTCTGGTGATCGGC  
TCGCTCCCGCCACCTCTCCCCCACTTGTGGAGGATTTAAGTGCCCGGTATGCTCAAATTTGTAC  
CCTCAGATGAAATGGATTTGCATCTTGTGATGTGTTTAAACAAGCCAAGAATAACGTATAATGAGGATGT  
GCTGAGTAAAGATACGGGGGAATGTGCAATATGCCTTGAAGAAGTGCAGCAGGGGACACCATAGCACGG  
CTGCCTTGCTGTATATCATAAAGGCTGCATAGATGAATGGTTTGAAGTCAATAGATCTTGTCCAG  
AGCACCCCTCAGACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_199143
Insert Size:	717 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u><a href="#">NM_199143.2</a></u> , <u><a href="#">NP_954594.1</a></u>
<b>RefSeq Size:</b>	2610 bp
<b>RefSeq ORF:</b>	717 bp
<b>Locus ID:</b>	387524
<b>UniProt ID:</b>	<u><a href="#">Q71FD5</a></u>
<b>Cytogenetics:</b>	6 27.15 cM
<b>Gene Summary:</b>	May play a role in the establishment and maintenance of neuronal transmission and plasticity via its ubiquitin ligase activity. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.[UniProtKB/Swiss-Prot Function]