

Product datasheet for **MC222618**

Znrf3 (NM_001080924) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Znrf3 (NM_001080924) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Znrf3
Synonyms:	Gm1167
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222618 representing NM_001080924
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCCACGCTCGGGCGGGCCAGGGGCCCGGGCCGCGCCGCGCCCTCCGCCGGCCCCC
 GCGGTCGTCGCTGCCGCGCCGCGCCGCTGCCGCTGCTTCTCGGGCTGCTGCTGGCGGCCGCGGGGCC
 CGGCGCGGCGCGGGCCAAGGAGACGCGCTTCGTGGAGGTGGTGTGTTTCGAGTCGAGCCCGAGCGCGAC
 TATACCCACACCACCGGCTCACGGCCGCTTCTCGCGGGCCGGGGCCATGCTCAGCGCCGAGGGCG
 AGATCGTGCAGATGCACCCACTAGGCTATGTAATAACAATGACGAAGAGGACTTGTATGAATATGGCTG
 GGTAGGAGTGGTGAAGCTTGAACAGCCAGAATTGGACCCAAACCATGTCTACTGTCCTGGCAAGGCC
 AAGAGAGCAGTTCAGCGGGGAGCTACTGCAGTTATCTTTGATGTATCTGAAAATCCAGAAGCCATCGACC
 AGCTAAACCAAGGCTCAGAAGACCCTCTTAAGAGGCCAGTGGTGTATGTGAAGGGTGCAGATGCTATCAA
 GCTGATGAACATTGTCAACAAGCAGAAAGTAGCTCGAGCAAGGATCCAGCACCTCCCTCCTCGACAACCC
 ACCGAGTACTTTGACATGGGAATTTTCTGGCCTTCTTCGTCTGGTCTCCTTGGTCTGCCTCATTTCTCC
 TTGTCAAATCAAGCTGAAGCAACGTCGTAGTCAGAATCCATGAACAGGCTGGCTGTGCAGGCTCTGGA
 GAAGATGGAAACCAAGTTCACCTCCAAGAGCAAGGGGCGCCGGGAAGGAAGCTGTGGGGCCTGGAC
 AACTGAGCAGCGGCTCCACATCCGACTGTGCCATCTGTCTGGAGAAGTACATTGACGGAGAGGAGCTTC
 GGGTCATCCCTTGTACTCATCGTTCCACAGGAAGTGTGTGGATCCATGGCTACTGCAGCACACACCTG
 CCCCCACTGTCCGACAAACATCATAGAACAAAAGGAAATCCAGGTGCTGTTGTGTGGAGACAAGCAAC
 CTTACACGTGGTCCGACCAAGAGTACCCTACCGGTACATTACCCAGGCCGTGTGCATAGGACCAATG
 CCATCCCAGCCTACCCTACTAGGACAAGTATGGACTCCCATGGCAACCCGTGCACACTGTAACCATGGA
 CCGGCATGGGGAGCAGAACCCTCTATTCTCCACAACACCCACCTATGTCGGTGGCTACCCACCCCTGCAC
 CTGGACCACACTCTGGCCCTCATCGCTGCAGCCTGGAACACCGGGCCTACTCACCAGCCATCCCTTCC
 GCAGGCCCAAGTTCAGCAGCCGAGCTTCTCCAAGGCAGCTTGCTTCTCCAGTATGAGACCATGTACCA
 AACTACTACTTCCAGGGTCTCAGTACCAGAGCAGGAGGGCCAGACAATACCCAGCGTCACACCCAGG
 GGCCAATCCCGTGCCTTCCACCAAGTGGTCCAGCAGCCTGCTTCCCAACAATGGTACATGTGGCC
 CTCCAACCCAGTGGAGAGTGGCAGCACATCTAGCTTCAGTTGCTATCATGGCACCGTTCGTGTGTAG
 CGGCTACCTGGTGAAGTGTCTGGCAGCGATAGCAGCAGCAACAGCTCTGGCCAGTCCCGCTGCTTCC
 AGTGACTCCGTGGTGAAGTGCACAGAAGTCAAGCAACCAAGGTGTGTATGGGAGCTGTTCCACCTCCGAA
 GCTCCCTCAGCAGCGACTATGACCCCTTATCTACCGCAGCCGGGGCCTGCTGTGCACCTTGGGGCTC
 CCCTCCACCAGAGGAGCTCCAGCAGGACACAGTCAAAGTGTGGGAGGGGCGAGCCATGGCTAGGCCCT
 GCCTCTCCCTCAGGGGACCAGCTGTCCACCTGCAGCCTGGAGATGAACTACAGCAGCAACTCCTCGCTGG
 AACCCAGAGGGCCCAACAGCTCTACCTCAGAAGTGGGGCTCGAGGTTTCTCCTGGGGTGCCTGGACCT
 CAGGAGGACCTGGAAAGGGGGTCCAGAGGGACCATCATGTGCTTGTGCTTCGAGCCCCAGCCCTCCCG
 CCGGGCTCTGGGATAGAAACAAGTGCAGGTGGCAGCAGTTTATCCTGGGTCTCGGCTCCTCGAGGACT
 GCAACCCCTCCAAGTGGGGAGCCACAGCTGGGGAGCTCCAGGGCCTGTATGGTCTTCACTCAGACCATTA
 TCCTAGGACAGATGGGGTGAATATGAGGGCTTGCCCTGCTGCTTCTATGAAGAGAAGCAGGTGGCCAC
 AGTGCTGGCAGGGCAATGGCTGCTACACTGAGGACTATTCAAGTGTGTACAGTACACACTCACCGAGG
 AACCCCAACCCAGCTGTTATGCAGGGCCCCGGACCTGAGCCAGCGCATCCCCATTATCCAGAGGATGT
 AGACTGTGACTTGGGCTTGCCTCAAGACTGCCACGGGATGCACAACCACAGCCCTGGGGTGGGGCACTG
 AGCTTGGACGTTCCCGACTCCACTGGAGTCTAGGCACAACCCGGGAAGAGGAACAGGCTCCATGTTACC
 AAGCTGAGGTGCAGCCTGGCTGCTCCTCAGAGGAGGCAGGTGCTTCCAGGGCTAGCCTCTCCAGTCCCC
 CCAGGACACTCAGGAGTCTCATGCCCTGGCTGCTGAGGCTTCCAGGACCAGGATCTGGCCAGGCATCGGT
 ACGGGAGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_001080924
Insert Size:	2742 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:	<ol style="list-style-type: none"> 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:	<u>NM_001080924.2</u> , <u>NP_001074393.1</u>
RefSeq Size:	6306 bp
RefSeq ORF:	2742 bp
Locus ID:	407821
UniProt ID:	<u>Q5SSZ7</u>
Cytogenetics:	11 A1
Gene Summary:	<p>E3 ubiquitin-protein ligase that acts as a negative regulator of the Wnt signaling pathway by mediating the ubiquitination and subsequent degradation of Wnt receptor complex components Frizzled and LRP6. Acts on both canonical and non-canonical Wnt signaling pathway. Acts as a tumor suppressor in the intestinal stem cell zone by inhibiting the Wnt signaling pathway, thereby restricting the size of the intestinal stem cell zone (PubMed:22575959, PubMed:22895187). Along with RSPO2 and RNF43, constitutes a master switch that governs limb specification (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>