

Product datasheet for **SC106136**

ZNRF3 (NM_032173) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNRF3 (NM_032173) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNRF3
Synonyms:	BK747E2.3; RNF203
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>SC106136 representing NM_032173. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTACTTTTGTGGCCTTGGTGTCCGATGGGGCTGGGGGAGAGTGCTCTCCACTGACCCAGCAGCACAC  
CCATGTGCAGTGC GCCTGCATCTGTGTGGGGCAGCCACACCCCTTGGCTGCTGCTTCCTTGGGCTGCC  
TTTCTGGGGCATGTGACTGGACCTACGAGGTCTGCACTGAGCTCCATTTGAATGATACCTTTCCTATC  
CCATTTCCCCACGGAAGCACCGCTTCAGGGTTATTCAGTCCTCTGCCTCATGGCTGAAATTGCTCATC  
TCGTCTGCAGATGTCTACTATCCTGTCTACCTAATGCACTATTATGTATTGATTCTCCATGAGACAGAG  
AGAGAGAGAGACTATCAGATAGTTTACACCCAAAGGGTAGGTTTTGTATTTTTCCAGCCTTTTTTA  
TTAAGGGGAAGGGGAGAGTTTAAAAACCCAAACCGTTGTGGTTTTAAGGTGTTTCATTTTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032173 unedited
 GGTCAACATTTGTATACGACTCATATGGGCGGCCGCGCAATTCGCACGAGGCTCTGAGGA
 GCAGTGCAAAACTGCCTCTTTCTTTCTCGTGGCAAATCCCAATGTACACGATTTCAAGTC
 TCAGACGCCATGCCTCTCCAGCCCACGCCTTTAGGCAGGTGATGGCAGCAGCTAGGAATA
 GGGTGTACATGATCCACAGCCCTGCGGAGCCAGGTCAAGCCGCTGCTATGAAAGCTCCAG
 GGTGATGGGGACGATTCTGCCAGTGTCTCAGTCTGTCCCCTCAGGTCATGGTCCCAAG
 TGAAATGACAGAGTTTACAGCCCTGGTCTTGGCTGAGGTCCAGGTCATAGTAAGGGCATG
 TTCTTGGGGCCCTCGACCTGAACTCTGACCCTCCGGGCAGGGAAGAGGAGTTGTCCCCT
 TTGGTTGTCTGGCTTTGGAGTCTTTGCAAAAATATTTTGGGCCCCCTGCCACTGGCTG
 CAGAAATGGCTCGACGGGTGTGTGGGGACAGACACCCAGAAGGAATGTACTTTTGTGGC
 CTTGGTGTCCGATGGGGCTGGGGGAGAGTGTCTCCACTGACCCAGCAGCACACCCATGT
 GCAGTGCCTGCATCTGTGTGGGGCAGCCACACCCCTTGGCTGCTGCTTCTTGGGCT
 GCCTTTCTGGGGCATGTGACTGGACCTACGAGGTCTGCACTGAGCTCCATTTGCATGAT
 ACCTTTCTATCCATTTCCCCACGGAAGCACCCTTCAGGGTTTATCAGTCTCTGCCT
 CATGCCTGCAATTGCTCATCTCGTCTGCAGATGTCTACTATCCTGTCTACCTAATGCACT
 ATAATGATTGATTCTTCTGAGACCGAGAGAGAGAGACTATCCGAAGTTTACCCCCA
 AGGTAGGGTTTTGATACTTTTCCGCCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032173 unedited
 TTTGGCCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAA
 CACATACTTGATAAAAATGTATTTTTTTTTTTTACAGTCATGTGTACAATTTGTTACAAAAC
 CATAGAAGACTACAACCTGTTTTAAATCATTTTTTGGTCTGCAAAATATGTAATCTGTGT
 GCAATTATCATGTATTTACAGGGTCTTGTGTTAGTCATTTTCAATGATTATTTCAACAAT
 GTCACACTCTCAACATAAGACATGGCTTAAAGATAAATATATTAGTAAATAAATATTCTGA
 GAACATATTTCCATAAATGAAATGTGCTGCTATACATATACAGAAATACATAAGTTGTC
 TTCTAGCTTTTAAAACATTTTTTAAAAATGGTAATGTTGGAAAAAGAGCCCTTAAACCAT
 TTTATTACAAAATCTTTACAGCAAGGTCTTTACAAAATCTTTTTAAGTGTATGGGAAA
 AATTAATAAATTTTTAAATAGTGCCTTGTAGACCAACACAATAGAAAGAGTTTACCTAA
 AGAGTAGAAAAAGGCAGTCTGTTTAAAGAATAATAGTCTCGACTAGTAATTTTTTTTA
 GACCTCATTTTTAAAAGCATTAGTCTGCACGAACCTCGAGTAGAGACTAGCAGCACATAA
 GTATGTGAGCAGTGGGACAGAAGGGGCTTTATTTTATAAAAAGGGCTTGGATTANGAGGAG
 ACAGGGAAGGAGCTGAGAGTTAAAGCCAGCTTACTGGGGCTGCATCCATAAAGAGGTACC
 TTGTTGGTAAACACCCAACTTCCATTTTTAACTGGTTCTAGAACTCTTCACTGTATATG
 GCTGCCCTACAACCAGGGCTGGGTCACTTGACCCTGCCCAATGCCACCCCACTTANAGG
 GATTGGGGCAGGGCTCTCAAGGAAATGAAAACCTCTATTTCCATGCTTTNAACCCCCC
 ACCTCCAATCCACGAAAGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_032173

Insert Size:

3300 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_032173.1](#)

RefSeq Size: 6489 bp

RefSeq ORF: 477 bp

Locus ID: 84133

UniProt ID: [Q9ULT6](#)

Cytogenetics: 22q12.1

Protein Families: Druggable Genome, Transmembrane

MW: 18.6 kDa

Gene Summary: 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). Along with RSPO2 and RNF43, constitutes a master switch that governs limb specification (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.