

Product datasheet for **MC220628**

Sh3rf2 (NM_172966) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sh3rf2 (NM_172966) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sh3rf2
Synonyms:	2310046K19; 9130023G24Rik; A1452083; Ppp1r39; RNF158
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220628 representing NM_172966
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATGATTTGACGTTACTTGATCTCCTGGAGTGCCCTGTGTGCTTTGAAAAGCTCGATGTCACAGCCA
 AAGTTCTCCCCTGCCAGCACACCTTCTGCAAACCATGTCTACAGAGGATTTTCAAGGCCACAAGGAGCT
 GAGGTGCCCGGAATGCAGGACTCTGGTGTCTGCAGCATCGAGGCTCTGCCAGCCAACCTGTTGCTCGTG
 CGTTTGCTGGATGGTGTGCGTTCGGACAGAGCTCGTGGAAAGGAGGCTCCTTCGAAAGGCTCGGATAC
 TGACCTTGCAGGACAACAGGAAAGCCAAGAGCAGCCCCAGAAGTCTACAGGCTAGCCCTTCCGGCTGGT
 GCCCAGTGTGAGGATCCACATGGATGGGTGCCTCGAGCCAAGGCCTTGTGCACTACAGAGGGAAGAAAT
 CCTGGCGACTGAAGTTAATAAAGGCGATGTCATCCTCCTTCGGAGACAGCTTGATGAGAACTGGTACC
 AGGGGAGATTAATGGCGTCAGCGGATCTTCCCGCCAGCTCTGTGGAAGTCATCAAACAGCTGCCCA
 ACCACCCCACTCTGCAGAGCCCTTACAACCTTTCGACCTTCGAGACAAGGATAAGAGTGAGAACCAGGAC
 TGCTGACCTTCCCAAGCCAAACGTCTCGGCAAGACACCTCCTAGAGAACAAAGGACATCAGTTATCAC
 GCACAAGACACCTGTCCCTGATGTCCTCCCATCCAGAGGCAAAGCGACCAACACATCCTCGCTCCGAAA
 GAGCCAGGGTCCAGGAGGAAGGGATCTGGGCAGTTCTCCATGACTACAGCTTTGAACACACTCAACCGT
 ACAGTCCATTCTCCTGAAGGCCACCAGATGGTGGAAATCAGCACCCCGATGCTCATCAGCTCTAACAGCC
 CCTCTGTGCTCACCAACATGGGACAAGGCAGACTTCCCTACCAGCTCTACAGGACAGGTGAGCAGTTC
 TCAGCTGCACCTGCCTCCCGGGACATTCACAGCCATGGTCAAGTGTGCCAGCTCCAGCAACACCTT
 TCAAATAACATGTTTGTAGCCCTACACACTTACTCAGCCCATAGACCCGAAGAGCTGGACCTGCAGAAGG
 GAGAAGGCATCAGGGTTCTGGCAAGTACCAGGATGGCTGGCTGAAGGGCCTCCTTACTCACTGGACG
 AACTGGCATCTTTCCAAGCGACTATGTCATCCAGTCTTCAGTTCAACAGCTAGAAAGACATCTAGTTTT
 CCTGATTCGCGGAGCCCACTGTCTGCACCACATGGGCGTTATCCACCTCCTCTGTGCTCCAGGGTA
 GCTTTGCAGAAGGTGATCCCGGCAAAGTGACCCCTTCAAATCTGTCTTTGTGCCCACTGCCGTAGTTAA
 CCCTTCGAGGAGCACACCTGGCCAGGGTCTTCTGGACAAGGGTCTCTTAGGAAAGTGGGAGCAGCATG
 AGAAAAAATGGATCCCTGCAGAGACCAGTTCAATCTGGGATCCCCACTTTCATGGTGGGCTCCCTCAGGT
 GCAGTCTACCATGGTATCCGGCCTCAGAGGTTCCAGTTTTATCCGCCACAGGGGATGACCCCTCCCC
 GACACCGATAATGGTGGAGATGGGTCTAAATCTATTTACTGGGAGCCTGCCCTGACCTGCATCAAC
 AGAGGTAGCAAGACCAGGATCCACTCAGCAGGCAATTCATCATGGAAGGCAAGAAACGCCATCA
 AGAGTGAACCGCCACCAAGCCGCTGCATCTGCGCCACCTCCATCCTCGTGAAACCAGAAAATTCAAA
 GAATGGCACTGAAAAGCAAGTCAAACCGTGAGATTTTCAAGATTACAGCCCTCCGCCACCAAACTCT
 GCCTCCAGTCCCACCTCTGAAAGCAGCACCATCCAGCCACCTTGAAGGGTCCCAGCATGAAGCAGTCT
 CCTCGGGAGGAGATGACCATTCTATTTGCCACCGAAGTGGCTGCCACTCCGGGCAACAAACAGACCT
 TCGGAGAAAGTCAGCCTTTGGCAAGACCATGCCCTATTGTCCACTGCTTCAGCCACACAGACCTTGTT
 CCCAGCAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_172966

Insert Size: 2112 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_172966.3</u> , <u>NP_766554.2</u>
RefSeq Size:	4688 bp
RefSeq ORF:	2112 bp
Locus ID:	269016
UniProt ID:	<u>Q8BZT2</u>
Cytogenetics:	18 B3
Gene Summary:	<p>Has E3 ubiquitin-protein ligase activity. Acts as an anti-apoptotic regulator of the JNK pathway by ubiquitinating and promoting the degradation of SH3RF1, a scaffold protein that is required for pro-apoptotic JNK activation. Facilitates TNF-alpha-mediated recruitment of adapter proteins TRADD and RIPK1 to TNFRSF1A and regulates PAK4 protein stability via inhibition of its ubiquitin-mediated proteasomal degradation. Inhibits PPP1CA phosphatase activity (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the 5' coding region, compared to variant 1. This difference results in a shorter protein (isoform 2) that lacks an Src homology 3 domain, 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.</p>