

Product datasheet for **MC221203**

Sh3rf2 (NM_001146299) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sh3rf2 (NM_001146299) 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: >MC221203 representing NM_001146299
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGATTTGACGTTACTTGTATCTCCTGGAGTGCCCTGTGTGCTTTGAAAAGCTCGATGTCACAGCCA
 AAGTTCTCCCCTGCCAGCACACCTTCTGCAAACCATGTCTACAGAGGATTTCAAGGCCACAAGGAGCT
 GAGGTGCCCGGAATGCAGGACTCTGGTGTCTGCAGCATCGAGGCTCTGCCAGCCAACCTGTTGCTCGTG
 CGTTTGTGGATGGTGTGCGTCCGGACAGAGCTCGTGGAAAGGAGGCTCCTCCGAAGGCCTCGGATAC
 TGACCTTGCAGGACAACAGGAAAGCCAAGAGCAGCCCCAGAAGTCTACAGGCTAGCCCTTCCGGCTGGT
 GCCCAGTGTGAGGATCCACATGGATGGGTGCCTCGAGCCAAGGCCTTGTGCACTACAGAGGGAAGAAAT
 CCTGGCGACTGAAGTTAATAAAGGCGATGTCATCCTCCTTCGGAGACAGCTTGATGAGAACTGGTACC
 AGGGGAGATTAATGGCGTCAGCGGATCTTCCGGCCAGCTCTGTGGAAGTCATCAAACAGCTGCCCA
 ACCACCCCACTCTGCAGAGCCCTTACAACCTTTCGACCTTCGAGACAAGGATAAGAGTGAGAACCAGGAC
 TGCTGACCTTCTCAAGGATGATGTCATCACAGTGTACAGCCGTGTAGATGAGAACTGGCAGAGGGAA
 AGCTCGGAGATAAAGTGGGCATCTTCCCATCTTGTGTTGTAGAGCCAAACGTCTCGGCAAGACACCTCT
 AGAGAACAAGGACATCAGTTATCACGCACAAGACACCTGTCCCTGATGTCTCCCATCCAGAGGCAAA
 GCGACCAACACATCCTCGCTCCGAAAGAGCCAGGGTCCAGGAGGAAGGGATCTGGGCAGTTCTCCATGA
 CTACAGCTTTGAACACACTCAACCGTACAGTCCATTCTCCTGAAGGCCACCAGATGGTGGAAATCAGCAC
 CCCGATGCTCATCAGCTTAACAGCCCCCTGTGCTCACCAACATGGGGACAAGGCAGACTTCCCTACC
 AGCTCTACAGGACAGGTGAGCAGTCTCAGCCTGCACCTGCCTCCCGGGACATTCCACAGCCATGGTCA
 GTGTGCCAGCTCCAGCAACACCTTTCAAATAACATGTTTGTAGCCCTACACACTTACTCAGCCCATAG
 ACCCGAAGAGCTGGACCTGCAGAAGGGAGAAGGCATCAGGGTTCTGGGCAAGTACCAGATGGCTGGCTG
 AAGGGCTCTCCTTACTCACTGGACGAACCTGGCATCTTCCAAGCGACTATGTCATCCAGTCTTCAAGT
 CAACAGCTAGAAAGACATCTAGTTTTCTGATTCGCGAGCCCCACTGTCTGCACCACATGGGCGTTATC
 CACCTCTCTGTCTCTCCAGGGTAGCTTTCAGAAAGGTGATCCCCGGCAAAGTGGACCCTTCAAATCT
 GTCTTTGTGCCACTGCCGTAGTTAACCTTCGAGGAGCACACCTGGCCAGGGTCTTCTGGACAAGGGT
 CTCTTAGGAAAGTGGGAGCAGCATGAGAAAAATGGATCCCTGCAGAGACCAGTTCAATCTGGGATCCC
 CACTTTCATGGTGGGCTCCCTCAGGTGCAGTCTACCATGGTATCCGGCCTCAGAGTTCAGTTCAT
 CCGCCACAGGGGATGACCCTTCCCGACACCGATAATGGTGGAGATGGGGTCTAAATCTATTTACTG
 GGGAGCCTGCCCTGACCTGCATCAACAGAGGTAGCAAGACCAGGATCCACTCAGCAGGCAATTCCATCAT
 CATGGAAGGCAAAGAAACGCCCATCAAGAGTGAACCGCCACCCAAGCCGCTGCATCTGCGCCACCTCC
 ATCCTCGTGAAACCAGAAAATCAAAGAATGGCACTGAAAAGCAAGTCAAACCGTGAGATTTGAGAATT
 ACAGCCCTCCGCCACCAAAACACTCTGCCTCCAGTCCCACCTCTGGAAAGCACGACCATCCAGCCACCT
 GAAGGGTCCCAGCATGAAGCAGTCTCCTCGGGAGGAGAGATGACCATTCTATTTGCCACCGAAGTGGC
 TGCCACTCCGGCAACAAACAGACCTTCGGAGAAAGTCAGCCTTGGCAAGACCATGCCCTATTGTCCA
 CTGCTTACGCCACACAGACCTTGTTCAGCAAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001146299

Insert Size: 2208 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_001146299.1, NP_001139771.1</u>
RefSeq Size:	4784 bp
RefSeq ORF:	2208 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 (1) represents the longer transcript and encodes the longer 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>