

Product datasheet for **RN210595**

Sh3rf2 (NM_001034187) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sh3rf2 (NM_001034187) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sh3rf2
Synonyms:	Posh2; Ppp1r39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210595 representing NM_001034187
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGATTTGACGTTACTTGTCTCCTGGAGTGCCCGTGTGCTTTGAAAAGCTCGATGTTACAGCCA
 AAGTTCTCCCCTGCCAGCACACCTTCTGCAAACCATGTCTACAGCGGATTTCAAGGCCACAAGGAGCT
 GAGGTGCCCGGAATGCAGGACCCTGGTGTCTGCAGCATCGAGGCTCTGCCAGCCAACCTGTTGCTGGTG
 CGTCTGCTGGATGGAGTGCCTCCGGGCACAACCTCGTGGAGAGGAGGCTCCTTTGAAAGCCTCGAATAC
 TAACCTTGCAGGACAACAGGAAAGCCAAGAGCAGCCCCAGAAGTCTGCAGGCCAGCCCTTCCGGCTGGG
 GCCACTGTCCAGGATCCACATGGATGGGTGCCTCGAGCCAAGGCCTTGTGCACTACAGAGGGAAGAAT
 CCTGGCGACCTGAAGTTAATAAAGGAGATGTCATCCTCCTTCAGAGACAGCTTGATGAGAACTGGTACC
 AGGGGAGATCAATGGGGTCAGTGGTCTTCCAGCCAGCTCTGTGGAAGTCATCAAGCAGCTGCCCA
 GCCACCCCTCTCTGCAGAGCCCTTACAACCTTTCGACCTTCGAGATAAGGATAAGAGTGAGAACCAGGAT
 TGCTGACCTTCCCAAGGATGATGTCATCACAGTGCATGACCCGAGTAGACGAGAAGTGGCAGAAGGAA
 AACTCGGAGATAAAGTAGGCATCTTCCCATCTTGTGTTGTAGAGCCAAACCTCTCTGCAAGACACCTCT
 AGAGAAGAGCAAAGGCATCAGTTATCACGCACAAAACATCTGTCCCTGATGTCCTCACCATCTAGAGGC
 AAAGCAACCAACACATCCACTCTCCGCAAGAGCCAGGGTCCAGGAGGAAAGGATCCGGGCGATTCGCCA
 TGACTACAGCTTTGAATACACTCAACCCGATGGTCCATTTCTGAAAGTACCAGATGGTGAAATCAG
 CACCCAGTGTCTCAGCTCTACCAGTCCCTCTATGCTCACCCAGCATGGGACAGGGCCGATTTCCCT
 GCCAGCTGCAGGACAGGTCAGCACTTCTCACCTGCTCCTGCCCTCCCAGGACATTCACAGCCATGG
 TCAGTGTGCCAGCTCCCAGCAACACCTCTCAACGAACATGTTTGTAGCCCTGCACACTTACTCAGCCCA
 GGGACCTGAAGAGCTGGACCTGAAGAAGGGAAGGTATCAGGGTCTGGGCAAGAATCAGGATGGCTGG
 CTGAGGGGCGTCTCCTTAGTCACTGGACGAACTGGCATCTTCCAAAGCGACTATGTCATCCCGTTTTCA
 GCTCAACAGCTAGAAAGACATCTAGTTTTCTGATTCCCGGCACCCCACTGTCTGCACCACATGGGCGTT
 ATCCACCTCCTCTGTGCTCCTCCAGGGTAGTTTTCAGAAGGCGATCCCGGCAAAGTGGACCCCTCAGA
 TCTGTCTTTGTGCCACTGCCGTTAACCTCCAAGGAGCACATCTGGCCCTGGGACTTCTGGACAAGGGT
 CTCTTAGGAAAGTGGGAGCAGCATGAGAAAGAATGGATCCCTGCAGAGACCAGTTCAATCAGGGATCCC
 CACTTTCATGGTGGGCTCCCTCAGGTGCAGTCTGCCATGGTATCCGGCCTCAGAAGTTCAGTTTTAT
 CAGCCACAGGGGATGACCCCTTCCCAACACCCATAATGGTGGAGATAGGGTCTAAATCTATTTCCACTG
 GGGAGCCTGCCCTGACCTGCATCAACAGAGGTGGCAAGACCAGGACCCACTCCCGCAGGCAATTCATCAT
 CATGGAAGGCAAAGAAACACCCATCAAGAGTGAGCCTCCACCCAAGCCGCTGCGTCTGCACCACCTCC
 ATCCTCGTGAAACCAGAAAATTCAAAAATGGTATTGAAAAGCAAGTCAAAACCGTGAGATTTCAGAATT
 ACAGCCCTCCGCCACCAAAACACTCTGCCTCCGGTCCCACCTCTGGAAAGCATGAACAGCCAGCCACCTT
 GAAGGGTCCCAACCTGAAGCAGTCTCCTCAGAAGGAGAGATGACCATTCTATTTGCCACCGAAGTGGC
 TGCCACTCCGGCAACAGACAGACCTTCGGAGAAAGTCAGCCTTAGCAAGACCACCCCCAGTGTCCA
 CTGCTTCACTCACAGACCTTATTTCCAGCAAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001034187

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_001034187.1, NP_001029359.1</u>
RefSeq Size:	2497 bp
RefSeq ORF:	2208 bp
Locus ID:	307472
UniProt ID:	<u>Q498M5</u>
Cytogenetics:	18p11
Gene Summary:	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 (PubMed:22128169). 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]