

Product datasheet for MC224760

Shprh (NM_172937) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shprh (NM_172937) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Shprh
Synonyms:	2610103K11Rik; AA450458; AU024614; BC006883; D230017O13Rik; E130018M05
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224760 representing NM_172937 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCAGCCGAAGGAAACGTGCTCCCCGATGAAGGTCGATGAAGAAAGGCAACAGCAGCTTCACTGGA
ACATGCATGAGGACCTGAGGAGTGAGCCGCTCACCATGACGGTCGGGGAACAGGCCTGTTGAGATGCAGA
CTCTTCTTCTGATTGCATCATCATCGATGAAGGCCCTCCTGAGAGTGCACCTTACAGAGATAAGAAGAGG
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CAGTTTCTCCCTATCGTGTGGATAAATCTTGAAAGCATTCTGGGAGATTTTGCTTTCAGCTTCTCCC
CAAAGAGAGTTTAGTTGAACATTTTCTGAAAGGACTTTTACATTGAGTCCTTACAGAGTCAAGCAGTCAG
TTCCTGATCTATGTTCAATCAGAATGTAAGAAATGTAGAGAAACAAGAAATGTTCTTGAAGGATCAGCCG
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AGCTCATGAAGAGAGTGATGAAAAAGTTACATAATTTTATTCCAGATGTGCTGGAAGAAGAGGAGGA
GGGTTTCAGAGAGCGAGCCGAGGGTCAGGATATTGATGAGCTCTACACTTTGTGAAGCAACACACCAG
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 AGGATGCCATAGTGAAGCTCAGGAAGATCTCTGACTGGGCCCTGAAGCTCAGCAGCTTGGACAGGAGAAC
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 GCTGTCTATGTCAGAGAAGTCCGTGACTGCAGAGGCTTTCAGTCTTACTTACAACACAATGGAAGAG
 CTCATAAAGTCCAGAAGCTGGTGAAGGAGGCTGTGAAGAAGCTGGAGAAGCCTCCATCCCGGGAGGTGA
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 TGATGAATTGTTACAGAGTATGAATCAAAGCTATTTTTTAACACAGTCAAAGGCCAGACTGCAATCTTT
 GAAGAAATGATAGAAGATGAAGAAGGACTGTAGATGATAGAGTACCTACCACTACCAGAGGTCTGTGGG
 CCGTAAGTGAAGCAGGAGCGATCTATGAAAGCAATATTATCATTGCAAGATCACATAGGTTTGTGTTGA
 ATATGTAGATGAAGGAAGTGTTCATGGATCTCTTTGAGGCAATGGAAGAAGGAATAAAGTTACTTCAT
 GAATACTGGATGACTCTGAGAAATCGTGTATCTGCTGTTGATGAACTTGAATGGCTACAGAGCGACTAA
 GAGTGCCCATCCCAAAGAGCCAAAGCCAAACCCACCCGTCATCACATCATTGAACCACACGAGGTTGA
 ACAGAATCGTATAAACTGGTGAATGATAAAGCTGTTGCTACATCACAGCTTCAAGAAACTTGGACAG
 CTTCTTTACCTAACGAATTTGGAGAAGCTCAAGATAAAACATCAGGAGGTATTAATCCAGAGCCTTGTG
 CAATCTGTGCTGACAGCTGGGAAAACAGTGGGCAAGTGCCTGACCTGCGGACACTGCTTCTGTAATGAATG
 CACTTCGATTATAAATGAACAGTACAGTGTGGGTCTCATCGAAGTTCCATCAAGTGTGCTATCTGCCGC
 CAGACCACATCACACAAAGAAGTCTCCTATGTCTTACCTCAGAGAAGGCCAAACCAAGAGGATGATATCC
 CTGTGAAGGGTAGCCATTCTACAAAAGTGAAGCTGTGGTCAAGACTCTGATGAAAATACAACCTTAGAGA
 TCCAGGGGCCAAAGCGCTCGTTTTCTCAACGTGGCAAGATGATTAGATATTATTTCAAAGCTCTCAGC
 GACAACAACATGGAATTTACACAAATCAGTCGCATTAAGACATCCAGGAGAACCCTCAGCGTTTAAAT
 ACGATCCCCACATCAATATTCTGCTGCTGCCCTGCACACAGGCTCTAATGGATTAATATCATTGAAGC
 CACCCATGCTCCTCTGGTGGAGCCATACTGAACCCTGCCATGAGCTGCAGGCCATTGGGAGAGTGCAC
 CGAATTGGACAGACCAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_172937
Insert Size:	4851 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:	NM_172937.3 , NP_766525.3
RefSeq Size:	7385 bp
RefSeq ORF:	4851 bp
Locus ID:	268281
UniProt ID:	Q7TPQ3
Cytogenetics:	10 A1
Gene Summary:	<p>E3 ubiquitin-protein ligase involved in DNA repair. Upon genotoxic stress, accepts ubiquitin from the UBE2N-UBE2V2 E2 complex and transfers it to 'Lys-164' of PCNA which had been monoubiquitinated by UBE2A/B-RAD18, promoting the formation of non-canonical poly-ubiquitin chains linked through 'Lys-63'. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks two exons and its transcription extends past a splice site that is used in variant 1, resulting in an immediate translation termination and a distinct 3' UTR compared to variant 1. It encodes isoform b which is truncated at the C-terminus, compared to isoform a.</p>