

Product datasheet for **MC224805**

Shprh (NM_001077707) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shprh (NM_001077707) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Shprh
Synonyms:	2610103K11Rik; AA450458; AU024614; BC006883; D230017O13Rik; E130018M05
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224805 representing NM_001077707 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAGCCGAAGGAAACGTGCTCCCCGATGAAGGTCGATGAAGAAAGGCAACAGCAGCTTCACTGGA
ACATGCATGAGGACCTGAGGAGTGAGCCGCTCACCATGACGGTCGGGGAACAGGCCTGTTTCAGATGCAGA
CTCTTCTTCTGATTGCATCATCATCGATGAAGGCCCTCCTGAGAGTGCACCTTACAGAGATAAGAAGAGG
CGTTCAGAGACTGTGAGCGTCTTAGAGGCCACCGAGGAAGAGACCCGTTTGTCTGTGACTTTGAATGTTA
CAGTTTCTCCCTATCGTGTGGATAATTCTTGAAAGCATTCTGGGAGATTTTGTCTTTCAGCTTCTCCC
CAAAGAGAGTTTAGTTGAACATTTTTCTGAAAGGACTTTTACATTGAGTCCTTCAGAGTCAAGCAGTCAG
TTCTGATCTATGTTTATTTCAGAAATGTAAGAAATGTAGAGAAACAAGAAATGTTCTTGAAGGATCAGCCG
GTGTTTGTAGCAAGGGAATCCGAGTGGAATCCTCCTTCAGTAGTGACATGTTACAGGATTTGGCCTGGCT
ACAGAAGAGAAGAGGAATAAACTCTACCAGAGACCAGACGGCACTCACACAATCAAGTTTGAATTTAC
ATTTTGAAGCTGGCCTAACAGACTAGACTTCATGAGTGATGCAGGTTCCAGAATGAAAAAGTTCAATC
AGCTCATGAAGAGAGTGATGGAAAAGTTACATAATTTTATTCCAGATGTGCTGGAAGAAGAGGAGGA
GGGTTTCAGAGAGCGAGCCCGAGGGTCAGGATATTGATGAGCTCTACCTTTGTGAAGCAACACACCAG
CAAGAAACACGGTCAGTCCAAGTGACGTCCAGCACCTGCGTTGATTCCGGTCCCTGAGACCTTACCAGA
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CTTCTTATGGCGAGAAATGTTACACCTGATGGCTTGAAGTCTACTATAATCCATATACAGGCTGCATC
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TCCTGAGGAAAAGTGGTAAATTTTTCATCCCAACTCACTGTCTAGAGAAAAAGTAAAAATAGAGAA
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CTGTGAAAGAAAATGAATGGGAAGAAAGGAGTTTCTATTCTTCTATCTATAAGTATGTCAGTCCATATT
CAGATATGATGTTTCAGCGGAACCGGGTCTTCTGAAGCGGATGTTGAAATGTTTAACTTTGAAGGCTT



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GTGAAACAGATCAAAGGCCATGGTTTCTCTGGGACTTTTACACTGGGGAAGAATTACAAAGAAGATGTAT
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 GCTGTCTATGTCAGAGAAGTCCCGTACTGCAGAGGCTTTCAGTCTTACTTACAACACAATGGAAGAG
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 TGATGAATTGTTACAGAGTATGAATCAAAGCTATTTTTAACACAGTCAAAGGCCAGACTGCAATCTTT
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 GAGTGCCCATCCCAAAGAGCCAAAGCCAAACCCACCCGTCATCACATCATTGAACCACACGAGGTTGA
 ACAGAATCGTATAAAACTGGTGAATGATAAAGCTGTTGCTACATCACAGCTTCAAGAAGAACTTGGACAG
 CTTCTTTACCTAACGAATTTGGAGAAGTCTCAAGATAAAACATCAGGAGGTATTAATCCAGAGCCTTGT
 CAATCTGTGCTCGACAGCTGGGAAAACAGTGGGAGTGTGACCTGCGGACACTGCTTCTGTAATGAATG
 CACTTCGATTATAAATGAACAGTACAGTGTGGGTCTCATCGAAGTTCCATCAAGTGTGCTATCTGCCGC
 CAGACCACATCACACAAAGAGTCTCCTATGTCTTACCTCAGAGAAGGCCAAACCAAGAGGATGATATCC
 CTGTGAAGGAGTCCATTCTACAAAAGTGAAGCTGTGGTGCAGAACTCTGATGAAAATACAACCTAGAGA
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 GACAACAACATGGAATTTACACAATCAGTCGCATTAAGACATCCAGGAGAACCCTCTCAGCGTTTAAAT
 ACGATCCCACATCAATATTCTGCTGCTGCCCTGCACACAGGCTCTAATGGATTAATATCATTGAAGC
 CACCCATGTCCTCTGGTGGAGCCATACTGAACCCTGCCATGAGCTGCAGGCCATTGGGAGAGTGCAC
 CGAATTGGACAGACCAAACCTACTATTGTACATAGATTCTTAATTAAGCAACAATAGAAGAACGGATGC
 AGGCAATGCTAAAACTGCTGAGAGGAGCCACACAAGCTCATCCGAAAGCATTCTGAAGCCTCTGTGTT
 GACTGTGGCTGGCCTGGCTGACCTGTTTACCAAGGAGAACGAGGAGCTTGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001077707
Insert Size:	5025 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_001077707.1, NP_001071175.1</u>
RefSeq Size:	6966 bp
RefSeq ORF:	5025 bp
Locus ID:	268281
UniProt ID:	<u>Q7TPQ3</u>
Cytogenetics:	10 A1
Gene Summary:	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] Transcript Variant: This variant (1) encodes the longest isoform (a).