

Product datasheet for MC224439

Ssh2 (NM_177710) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ssh2 (NM_177710) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ssh2
Synonyms:	mSSH-2L; SSH-2; SSH-2L
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224439 representing NM_177710 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTTGGTCACGGTCCAGCGGTGCGCTACCCCGAGCACCTCCAGCCCTGCGCCTCGGAGGCCG
ACAGTGGGAGGAGGAATGCCGGTACAGCCCAGAAGCATCAGCGAGAGCTTCTAACTGTCAAAGGTGC
TGCCCTTTTTCTACCACGAGGGAATGGCTCGTCTACACCAAGAGTCAGCCACAGACGCAACAAGCATGCA
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CACTGAAGAAAGCATTGTCTGGGAATGGATTTTTCTTCTAATGACAGTAGCACTTGTACCATGGGCTTG
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AAGATGCAAATCAGAAAGGACTACACACCAAAGAAAGAGTCATCTGCTTGGAGTTTTCTTACAAGAGTT
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 GCTGATGACCAGAGAAGCAGCTCTTTGAGTAATACGCCCCACGCCTCTGAAGAGTCTTCTGTGGATGAGG
 ACCAGTCGAAGGCAATCACCGAACTTGTGAGCCAGACATCATCATGCAATCTCACTCAGAAAATGCAAT
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 CTCTGCAGGCCACATTATCCAATCGCAAAAACCTCTAAGAATGATTCTTCTGTGGCAGACTTAATGCCA
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 CAGGAAGGAGACCTAAAGAAGCAGAGGGCTGTGGTTCCAAACCAGGAATGTGACACACAGGCCATCTTC
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 AGGAGGTGAGGCGACACCAGCAAAGAGGGTGAAGAAACAAGGACTGAGGAAAGTGAAGATGGAGCATCT
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 TAGCCCGCAAGACAAAGGGGACTGCCATCCACACCCCTCAAGACAGCAGCACCTTTTGTGAGTGCAGT
 ACCCAGGGAGCATCTTTCAGCTTGGATTATTTGCTTCCCCTCTGTGGTTACCTGGAAGGCTGCACAG
 AGCAAAGCAGTGCCTGACAATGAACTGTCTCCAGAGCAGGCTAGCTGGGAGGACAGCCGGGGCATT
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 GCCAAGTTGGGTTACCTGGACCTTTGTAAGACTACTTACCAGATAGAGAGCTTGTCTCCTCAGAATCCC
 CTCATCTCAAATTTGCTTCCAGCCCTTCTCAGAACAGACTCAGGCATGCATGCCTTGTGAGCCATGAGCC
 CTCAGAAAGCGCAGGTGCCAGCAGAACCCACAGCCCAAGTATTCTGTAGAGCAACTCAAACATCA
 GAGTGTATTGTGACAGAGCAAACAGTGGAGAGGCCAGTGTGCAGTATGCCAAAGAGTTTGGTTACAGTC
 AGCAGTGTGTGCTCCCAAGGCAAGACCAGAATTGACTAGTCTGAAGGAGGCCCTTCTTTGCTACAGAC
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 CACCCCTTAGAAGACTGAAAAGAGCAAATGATAAAAAACGGACAACCAACCCCTTCTATAACACCATGT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_177710
 Insert Size: 4272 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_177710.4 , NP_808378.2
RefSeq Size:	9040 bp
RefSeq ORF:	4272 bp
Locus ID:	237860
UniProt ID:	Q5SW75
Cytogenetics:	11 B5
Gene Summary:	<p>Protein phosphatase which regulates actin filament dynamics. Dephosphorylates and activates the actin binding/depolymerizing factor cofilin, which subsequently binds to actin filaments and stimulates their disassembly. Inhibitory phosphorylation of cofilin is mediated by LIMK1, which may also be dephosphorylated and inactivated by this protein.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter 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>