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Product datasheet for MC223338

Ssh1 (NM_198109) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ssh1 (NM_198109) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ssh1
Synonyms:	AW551225; Gm1394; Gm1395; SSH-1; SSH-1L
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223338 representing NM_198109 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCCTTGGTGACCCTTCAGCGCTCTCCCACGCCCAGCGCCGCGTCTTCCTCCGCAAGCAACAGCGAGT TGGAGGCTGGCAGCGATGAAGAACGGAAATTGAACCTCAGCTTGAGTGAGAGCTTTTTCATGGTGAAAGG AGCTGCCCTCTTCCTACAGCAGGGAAACAGCCCACAGGGCCAGCGGAGTCTTCAGCACCCTCACAAGCAT GCAGGTGATCTGCCTCAGCACCTGCAAGTGATGATCAACCTCCTGCGTTGTGAAGACAGAATCAAGCTGG CCGTGCGCCTAGAGAGTGTCTGGACCGACCGTGTCCGCTACATGGTCGTGGTATACACCAGCGGGCGCCA GGACACCGAGGAGAATATTCTGCTGGGAGTTGACTTTTCCAGTAAGGAGAGCAAAAGCTGCACGATCGGA ATGGTTCTTCGACTCTGGAGCGACACCAAGATTCACCTCGATGGGGACGGCGGGTTCAGTGTGAGCACAG CGGGCAGGATGCACATATTCAAGCCAGTGTCTGTCCAGGCCATGTGGTCTGCCCTGCAAGTGCTTCACAA GGCCTGCGAAGTGGCCCGGAGGCATAACTACTTCCCAGGAGGAGTGGCGCTCATCTGGGCCACCTACTAT GAGAGCTGCATCAGCTCGGAGCAGAGCTGCATCAATGAGTGGAATGCCATGCAGGACCTGGAGTCCACGC GGCCCGACTCCCCCGCGCTGTTTGTGGACAAGCCAACCGAGGGCGAAAGAACTGAGCGCCTCATTAAAGC CAAACTCCGGAGCATCATGATGAGCCAGGACCTTGAAAATGTGACTTCTAAGGAAATCCGAAATGAGCTG GAGAAGCAAATGAACTGCAACCTGAAGGAGTTCAAGGAATTCATCGATAACGAGATGCTGCTCATCCTGG GCCAGATGGACAAGCCCTCCCTCATCTTTGACCATCTTTATCTTGGCTCCGAGTGGAATGCATCCAATCT GGAGGAGCTGCAGGGCTCAGGAGTTGACTACATTTTAAATGTCACTAGAGAAATAGACAATTTTTTCCCC GGCTTGTTTGCGTACCATAACATCCGCGTGTACGATGAGGAGACCACAGACCTTCTTGCCCACTGGAATG AAGCTTATCATTTCATAAACAAAGCGAAAAGGAATCATTCCAAGTGCCTGGTCCATTGCAAGATGGGCGT CAGCCGATCTGCGTCCACAGTCATTGCCTACGCCATGAAGGAGTTCGGCTGGCCCCTGGAGAAAGCGTAT AACTACGTGAAGCAGAAACGTAGTATCACTCGGCCCAACGCAGGCTTTATGAGGCAGCTGTCTGAGTACG AAGGCATCCTGGATGCAAGCAAACAGCGGCATAACAAACTATGGCGCCAGCAGCCCACAGATGACACCAT CGCAGAGCCCAGTGAGTTCTTGCCAGAGACCTTGGACGGAGCCCTGGACGCTCAGCTGCCCTGTTTGGAT GATACCACCCACCCTGGGCTCCCGAGAAGTCTGGCCCCAGGAGGACCCGCTCTCCCCTGTTGTTTTCGAA

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GACTCTCGGACCCCCTCCTCCTTCCCCACCATGATGAAACGGGTGGCCTGGTCCACTTAGAGGATCTCGA
GAAGGATGCTCTGTTAGAGGAGGAGGAGTCTCAGCCAGTGGAGGTGCACAAGCTGGTTCAGCATCCCCAG
GAAGGTGCCAGGCTGTGTGAAAAGGACGTAAAGAGGAAACTGGAGTTTGGGAACTCCAAACCCCGCAGTG
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CCTCTTCCTTCTTGCCCGAACCCCAGTCTGCGCCAAGGGACCCCGCTGCAACCTCTAAATCATCAGGGAA
ATCTGCCCCAGAACACTTGAAAAGCCCGTCGAGGGTAAACAAAAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_198109

Insert Size: 3129 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:
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_198109.4, NP_932777.2

RefSeq Size: 3174 bp

RefSeq ORF: 3129 bp

Locus ID:	231637
UniProt ID:	Q76I79
Cytogenetics:	5 F
Gene Summary:	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. [UniProtKB/Swiss-Prot Function]