

Product datasheet for **SC122419**

SSH2 (BC011636) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSH2 (BC011636) Human Untagged Clone
Tag:	Tag Free
Symbol:	SSH2
Synonyms:	SSH-2; SSH-2L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for BC011636 edited
GGCACGAGGCTCCGCGCACCCGGCGGGCCCGCCTCCGCCGGGTGCACGCGCAGCCT
GCGCCTCGTGCCGGAGCAGAGCAGAGGCCAGGATGCGGAGTTGTGCACTTTGAGCCGGCC
CCATGACCCTGAGCACGTTGGCCCGCAAGAGGAAGGCGCCCTCGCTTGACCTGCAGCC
TCGGTGGCCCGACATGATTCTTACTTCTCCGCCAACGCGGTCTCTCGCAGAACGCCA
TCAACCAGCTCATCAGCGAGAGCTTTCTAACTGTCAAAGGTGCTGCCCTTTTCTACCAC
GGGAAATGGCTCATCCACACCAAGAATCAGCCACAGACGGAACAAGCATGCAGGCGATC
TCCAACAGCATCTCCAAGCAATGTTCAATTTACTCCGCCAGAAGACAACATCAGGCTGG
CTGTAAGACTGGAAGTACTTACCAGAATCGAACACGCTATATGGTAGTGGTTTCAACTA
ATGGTAGACAAGACTGAAGAAAGCATCGTCCTAGGAATGGATTTCTCCTCTAATGACA
GTAGCACTTGTACCATGGCTTAGTTTTGCCTCTCTGGAGCGACACGCTAATTCATTTGG
ATGGTGTAGTGGTTCAGTGTATCGACGGATAACAGAGTTCACATATTCAAACCTGTAT
CTGTGCAGGCAATGTGGTTGACAGGGATTCAAGGAACAAACACTGTGATGTAATTTGG
TGAAGAATGAACTGGAGCAGCCTTTCTGGAGAGTGATTTGCCAATATGCCTTATCATT
TGCATGATCTTTGCTAGTAATCTATTTCTATGGATTTACTCTAAGTTTGAAACATG
GATGTGTGCAAAGATTTAGCTCTAAGAATGTTTGTGTCAGTGTCTAATAATAGCAAAAAA
TAAAAACAAATGATTGAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC011636 unedited NACGTCGGTATTGTATACGACTTACTATAGGCGGCCGCGAATTCGCACGAGGCTCCGCGC GACCCGGCGGGCCCGCTCCGCCCGGGTGCACGCGCAGCCTGCGCCTCGTGCCGGAGC AGAGCAGAGGCCAGGATGCGGAGTTGTGCACTTTGAGCCGGCCCCATGACCCTGAGCACG TTGGCCCGCAAGAGGAAGGCGCCCTCGCTTGCACCTGCAGCCTCGGTGGCCCCGACATG ATTCTTACTTCTCCGCCAACCGGTCATCTCGCAGAACGCCATCAACCAGCTCATCAGC GAGAGCTTTCTAACTGTCAAAGGTGCTGCCCTTTTCTACCACGGGAAATGGCTCATCC ACACCAAGAATCAGCCACAGACGGAACAAGCATGCAGGCGATCTCCAACAGCATCTCAA GCAATGTTCAATTTACTCCGCCAGAAGACAACATCAGGCTGGCTGTAAGACTGGAAAGT ACTTACCAGAATCGAACACGCTATATGGTAGTGGTTTCAACTAATGGTAGACAAGACACT GAAGAAAGCATCGTCTAGGAATGGATTCTCCTCTAATGACAGTAGCACTTGTACCATG GGCTTAGTTTTGCCTCTCTGGAGCGACACGCTAATTCATTTGGATGGTATGGTGGGTTT AGTGTATCGACGGATAACAGAGTTCACATATTCAAACCTGTATCTGTGCAGGCAATGTGG GTTGACAGGGATTCAAGGAACAAACACTGTGATGTACTATTGGGTGGAAGAATGAACTGG AGCAGCCTTTCTGGAGAGTGATTTGCCAATATGCCTTATCATTTTGCATGATCTTTGTCC TAGTAACTCTATTCTATGGATTACTCTAAGTTTGTAACATGGATGTGTCCAAGATTT TAGCTCTAAGAATGTTGTGAGTGTCTAATATAGCNAAAAATAAAACAAATGATTGAAAA AA
Restriction Sites:	Please inquire
ACCN:	BC011636
Insert Size:	935 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:	BC011636.1 , AAH11636.1
RefSeq Size:	935 bp
Locus ID:	85464
Cytogenetics:	17q11.2
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Regulation of actin cytoskeleton

Gene Summary:

This gene encodes a protein tyrosine phosphatase that plays a key role in the regulation of actin filaments. The encoded protein dephosphorylates and activates cofilin, which promotes actin filament depolymerization. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]