

Product datasheet for **SC334424**

SSH2 (NM_001282131) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSH2 (NM_001282131) Human Untagged Clone
Tag:	Tag Free
Symbol:	SSH2
Synonyms:	SSH-2; SSH-2L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282131, the custom clone sequence may differ by one or more nucleotides

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ATGACCCTGAGCACGTTGGCCCGCAAGAGGAAGGCGCCCTCGCTTGCACCTGCAGCCTCGGTGGCCCCG
ACATGATTCTTACTTCTCCGCCAACGCGGTTCATCTCGCAGAACGCCATCAACCAGCTCATCAGCGAGAG
CTTTCTAACTGTCAAAGGTGCTGCCCTTTTCTACCACGGGAAATGGCTCATCCACACCAAGAATCAGC
CACAGACGGAACAAGCATGCAGGCGATCTCCAACAGCATCTCCAAGCAATGTTTCATTTTACTCCGCCAG
AAGACAACATCAGGCTGGCTGTAAGACTGGAAAGTACTTACCAGAATCGAACACGCTATATGGTAGTGGT
TTCAACTAATGGTAGACAAGACTGAAGAAAGCATCGTCCTAGGAATGGATTTCTCTCTAATGACAGT
AGCACTTGTACCATGGGCTTAGTTTTGCCTCTCTGGAGCGACACGCTAATTCATTTGGATGGTGATGGTG
GGTTCAGTGTATCGACGGATAACAGAGTTCACATATTCAAACCTGTATCTGTGCAGGCAATGTGGGTTGA
CAGGGATTCAAGGAACAACACTGTGATGTACTATTGGTGAAGAAATGA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001282131
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_001282131.1](#), [NP_001269060.1](#)

RefSeq Size: 972 bp

RefSeq ORF: 609 bp

Locus ID: 85464

UniProt ID: [Q76I76](#)

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]

Transcript Variant: This variant (4) contains multiple differences in the UTRs and coding region, compared to variant 1, including the lack of multiple 5' and 3' coding exons. It represents use of an internal promoter and initiates translation at an alternate start codon. The encoded isoform (4) is shorter and has distinct N- and C- termini, compared to isoform 1.