

Product datasheet for **RG236530**

SSH2 (NM_001282131) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SSH2 (NM_001282131) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SSH2
Synonyms: SSH-2; SSH-2L
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236530 representing NM_001282131.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCCTGAGCACGTTGGCCCGCAAGAGGAAGGCGCCCTCGCTGCACCTGCAGCCTCGGTGGCCCC
GACATGATTCTTACTTCTCCGCCAACGCGGTCATCTCGCAGAACGCCATCAACCAGCTCATCAGCGAG
AGCTTTCTAACTGTCAAAGGTGCTGCCCTTTTCTACCACGGGAAATGGCTCATCCACACCAAGAATC
AGCCACAGACGGAACAAGCATGCAGGCGATCTCCAACAGCATCTCCAAGCAATGTTCAATTTACTCCGC
CCAGAAGACAACATCAGGCTGGCTGTAAGACTGAAAAGTACTTACCAGAATCGAACACGCTATATGGTA
GTGGTTTCAACTAATGGTAGACAAGACTGAAGAAAGCATCGTCTAGGAATGGATTTCTCTCTAAT
GACAGTAGCACTTGTACCATGGGCTTAGTTTTGCCTCTCTGGAGCGACACGCTAATTCATTTGGATGGT
GATGGTGGGTTTCAGTGTATCGACGGATAACAGAGTTCACATATCAAACCTGTATCTGTGACGGCAATG
TGGGTTGACAGGGATTCAAGGAACAAACTGTGATGACTATTGGTGAAGAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236530
Blue=ORF Red=Cloning site Green=Tag(s)

```
MTLSTLARKRKAPLACTCSLGGPDMIPYFSANAVISQNAINQLISESFLTVKGAALFLPRNGSSTPRI
SHRRNKHAGDLQHLQAMFILLRPEDNIRLAVRLESTYQNRTRYMVVSTNQRDTEESIVLGMDFSSN
DSSTCTMGLVLPWSDTLIHLDDGGFVSVDNRVHIFKPVSVQAMWVDRDRSRNKHCDVLLVEE
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNNGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDLGGYSSVVDVSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_001282131

ORF Size: 606 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

RefSeq: [NM_001282131.2](#)

RefSeq Size: 972 bp

RefSeq ORF: 609 bp

Locus ID: 85464

UniProt ID: [Q76I76](#)

Cytogenetics: 17q11.2

Protein Families: Druggable Genome, Phosphatase

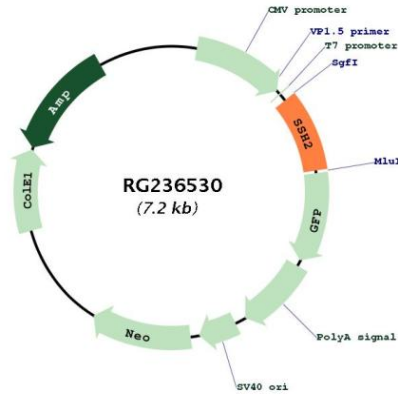
Protein Pathways: Regulation of actin cytoskeleton

MW: 22.9 kDa

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]

Product images:



Circular map for RG236530