

Product datasheet for SC202256

Slingshot homolog 1 (SSH1) (NM_001161331) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Slingshot homolog 1 (SSH1) (NM_001161331) Human 3' UTR Clone
Symbol:	Slingshot homolog 1
Synonyms:	SSH1L
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001161331
Insert Size:	231 bp
Insert Sequence:	<p>>SC202256 3'UTR clone of NM_001161331 The sequence shown below is from the reference sequence of NM_001161331. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CAGGGACCTGAGGGTCTTTTACAGGGTGATTCTGCTGGTGGGTACGTAGTGCATACCTTATATAGCAA ATTGAGAACTGTTGGGAATAACACATATCTCTGCACACCATCTTCACCCATGTACCTTATTCATACC CTGGGCAGGGCTTCCAACCTCAATTTCTTTTGTGTATGTAAAATAAAACATATAATTTATCAGCCAAC TTCAAAAAAAAAAAAAAAAAAAAA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG </pre>
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001161331.1



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Summary:

The protein encoded by this gene belongs to the slingshot homolog (SSH) family of phosphatases, which regulate actin filament dynamics. The SSH proteins dephosphorylate and activate the actin binding/depolymerizing factor cofilin, which subsequently binds to actin filaments and stimulates their disassembly. Cofilin is inactivated by kinases such as LIM domain kinase-1 (LIMK1), which may also be dephosphorylated and inactivated by SSH proteins. The SSH family thus appears to play a role in actin dynamics by reactivating cofilin proteins. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

Locus ID:

54434

MW:

8.8