

Product datasheet for **SC212091**

SPIRE2 (NM_032451) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: SPIRE2 (NM_032451) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: SPIRE2
Synonyms: Spir-2
ACCN: NM_032451
Insert Size: 1077 bp
Insert Sequence: >SC212091 3'UTR clone of NM_032451
The sequence shown below is from the reference sequence of NM_032451. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCTAACACCAGGACTCTTGACTTCAAGTGCAGCCCCAGGTGCCAGGCCTCCAGGAGCCACCAGGCAG
GCCCTGTATCAGGCTAGGACGCTCTGAGCTGTGCATGTACATATACATATACATATAGATACATTTATAAT
ATATACACACAGTCTATATATTTATATACACTGTTTCCTGGCCCCAGAGCTCATTGGGTTCCAGGCGCA
CTTCAAAACCCTCCCTGGGGGAGGCTGTTTCTTCTCAGGATTCCTTGCCAGGGAGGAAGGGGAGGGAAC
AGGGTGGGTTTTCTCACTGAAGAGAGAAAAGCAGAAGGTTCTAGATCCTGGCACAGACTGCATCCCATGT
TCCCATGCTCTTCTCCGTCGCCAGGAATGCGAACGGCAGTTTCCCTTCCCAGTGGACGCTAGGTGGG
GACAGGGTATCTGGCTCCCAGCTGGACCAGAGTGCCCTGCTTGCCTCTGCTCTCCCTTTGTGGGGACT
CAGGCAGCAGAGGCATCTGGGAAGTCTCTGAGTAGGCAGGGTCTCCTGGGAGGCACCCCACTGTTT
GAAAGGTCTGGCCAGGCGTGGTGGTTCAGGCCTGTAATCCAGCACTTTGGGAGGCCGAGGAGGGAGGA
TCACCTGAGGTCAGGAGTTTGAGACCAGCCTGGCCAACATGATGAAATGTTGTCTCTACTGAAAATGCA
AAAATTAGCCAGGTATAGTGGCAGGAACCTGTAATCCCAGCTACAGGGGAGGCTGAGGCAGGAGAATCG
CTTGAACCCGGGAGGTGTAGGTTGCACTGAGCCGAGATTGCACCACTGCACTCCAGCCTGGGCGACAGA
GCGAGACTCTGTCTCGAAAAAAAAAAGGTCCGTGCCAAGCTGCTCCCTGCCCTTGCCCTTTCCCTTTC
CCTGGGGTCCAAACCACATGTGTCTGCTCTCCTGGCCCTACCACATCTGGTGTCTCCTCACTCGC
CCCTGGCCAGAGGCTCCTGAAGATGCTGGCGGTCTGGCACAGGGAGGAGCAGCTCTGTAATCTGT
GCACATGGCCACTCTTGGCCTAATAAAGGAGGTCTCACAGTC
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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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_032451.2
Summary:	Acts as an actin nucleation factor, remains associated with the slow-growing pointed end of the new filament (PubMed:21620703). Involved in intracellular vesicle transport along actin fibers, providing a novel link between actin cytoskeleton dynamics and intracellular transport (By similarity). Required for asymmetric spindle positioning and asymmetric cell division during meiosis (PubMed:21620703). Required for normal formation of the cleavage furrow and for polar body extrusion during female germ cell meiosis (PubMed:21620703). Also acts in the nucleus: together with SPIRE1 and SPIRE2, promotes assembly of nuclear actin filaments in response to DNA damage in order to facilitate movement of chromatin and repair factors after DNA damage (PubMed:26287480).[UniProtKB/Swiss-Prot Function]
Locus ID:	84501
MW:	39.2