

Product datasheet for **SC122824**

SPEF1 (NM_015417) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPEF1 (NM_015417) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPEF1
Synonyms:	C20orf28; CLAMP; SPEF1A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_015417 edited
 AGTCTCTGGATTAGGCAGGCAGAGGCAGTTATGGGCTTCTGCAGTGGCGAGAAAGGAAGC
 GCCTGAAGGGTCGTGAGGCTGGGGCGGGACCCGGCACCCTGGGGCGGCCAGGCCGTGAG
 GACTTCAATGGCGAGCAGCGTGGACGAGGAGGCGCTGCACCAGCTGTACCTGTGGGTAGA
 CAACATCCCTCTGTCCCGGCCAAGCGAAACCTCTCCCGGACTTTAGCGATGGAGTCCT
 TGTTGCAGAGGTCATCAAGTTTTACTTCCCAAGATGGTGGAGATGCACAATTATGTCCC
 CGCCTACTCTCCAGCAGAAGCTCAGCAACTGGGGTCATCTGAACAGGAAGGTACTGAA
 GAGGCTGAACTTTTAGTACCGGATGACGTGATGCGCAAGATCGCGCAGTGCGCCCCAGG
 CGTGGTGGAGCTGGTGCTCATCCGCTGAGGCAGCGCCTGGAGGAGAGGCAGAGGCGCAG
 GAAGCAGGGCGCCGGCTCCTTACAGGAGCTGGCTCCCAGGATGGCAGTGGCTACATGGA
 TGTGGGAAGGTGGCCTTTTCCATTCTCCCTCCCGTTGGAGCTTTCCTTCTGTCTTTC
 TTCCTGTCACTTGTAAAGAGTGAAGTAGGGAGGGGAAGCAGGAGAATGAGACTCCAGCA
 CAGTCATTCTCCACTTGCCTTGTCTCAGGTGTATCCAGAAGGCCCGAGGTGAAGGTGT
 CCCGACCCCGAGGAGGGGGTCAGCTCAGGTAAGAAGCTGGGAGTTCAGACTTCACC
 AGGCTGGTGATCTCTGCACACAGCTGGGGTTGGGGGACGGTACGCTGAGCCTGAGACG
 GGAGGCAGGAAAGGGGCTAGAGGGGAGAAGGGAAGGCCTGGTCGAGGGCCCTGGAAGGG
 TGAGTGTAGGGCCCGAGGTCCAAGCCTCCGCTAAGCTGCTTCTACCCCACTGGGACCG
 GCCACCGGCGCCTCAGCTCCAGCGTATAACCGGGCGTTGCAGGGCGACCCAGCTTCGT
 CCTCCAGATCGCTGAAAAGGAGCAGGAGCTGTTGGCCTCTCAAGAGACCGTGCAGTCTCT
 GCAGATGAAGGTAAGGCGCCTGGAGCACCTGCTCCAGCTCAAGAATGTGCGGATCGAAGA
 CCTCTCCCGGCGCTCCAGCAGGCGGAGCGTAAGCAGCGGTGAGCGGCGGCCCGGCCGCG
 GCGGGACGCCCGGTACCCGCCAGAGCCCGACGCCGCGCCGAGCCACCCACCGATGG
 ATAGACATTGGGAGGGCGAGCCCGCTGCTCTACGAGCTGCTGGGGCCCGAGTGGCC
 TCCCTTCTTGGGATGGGTGAGCGTGGGAGGAGATGGGACAGGAACCTTAGGAGCGCAGGC
 CCGGACTGAGCCGCTCCTACCACTCCGAGATCCGGGTGAGGAGAATGACCGCTTTC
 CAGAGCCAGAACCCAGTGCAGAGACCTAGCCTGTCCCCAAGCAGTGTCCAACCT
 TGGGCCCGGCTTGCATCTCCCGCGCTGGGCTTGGGGGCGGTCCCTTGGCTCTGTCC
 ACACCCCAAGAACAGTCCCGCCAGCTCCGAGGACGGCGCGCTCTCCATCCAGCTA
 GTTCCCATGCCCTCAGCCATGGGGGAATCTGTCCCGGCGCTGAGGGGCTCCCTGCC
 CCTCTGGGAGCTTACCTGGGACCCACCTCGGCGACGGAGACCGCAGCAGCTGGAGAGGA
 AGGGGTGAGGCGTGGGATCGCCAGGAGTAGGGAGGACATCGACGATGTGCCCGTAGCAGT
 CACCCCTCCCTCCTCGCGCACGGGTACTGAGGCGGAAGGTTTGAAGGTTACGGCTCAGG
 GCTGCCCCATTAAAGTCAGTGTTGTGTTCTAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_015417 unedited
 GTAAAGTCAAATTTGTATACGACTCATATAGGCGGCCGCATAACTTCGTATAGCATACA
 TTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGAGTC
 TCTGGATTAGGCAGGCAGAGGCAGTTATGGGCTTCTGCAGTGGCGAGAAAGGAAGCGCCT
 GAAGGGTCGTGAGGCTGGGGCGGGACCCGGCACCGCTGGGGCGGCCAGGCCGTGAGGACT
 TCAATGGCGAGCAGCGTGGACGAGGAGGCGCTGCACCAGCTGTACCTGTGGGTAGACAAC
 ATCCCTCTGTCCCGGCCAAGCGAAACCTCTCCCGGACTTTAGCGATGGAGTCTTGT
 GCAGAGGTCATCAAGTTTTACTTCCCAAGATGGTGGAGATGCACAATTATGTCCCCGCC
 AACTCTCTCCAGCAGAAGCTCAGCAACTGGGGTCATCTGAACAGGAAGGTACTGAAGAGG
 CTGAACTTTTAGTACCGGATGACGTGATGCGCAAGATCGCGCAGTGCGCCCCAGGCGTG
 GTGGAGCTGGTGCTCATCCGCTGAGGCAGCGCCTGGAGGAGAGGCAGAGGCGCCAGAAG
 CAGGGCGCCGGCTCCTTACAGGAGCTGGCTCCCAGGATGGCAGTGGCTACATGGATGTG
 GGTTAAGGTGGCCTTTTCCATTCTCCCTCCCGTTGGAGCTTTCCTTCTGTCTTCTTC
 CTGTCACTTGTAAAGAGTGAAGTAGGGAGGGGGGAAGCAGGAGAATGAGACTCCAGCACA
 GTCATTCTTCACTTGCCTTGTCTCAGGTGTATCCCAAAAGGCCCGAGGTGAAAGTGGT
 CCGGGACCCAGGGGGGGGTGAGCCTACAGTAAGAAGCTGG

Restriction Sites: Please inquire

ACCN:	NM_015417
Insert Size:	1906 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:	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:	<u>NM_015417.2</u> , <u>NP_056232.1</u>
RefSeq Size:	1906 bp
RefSeq ORF:	489 bp
Locus ID:	25876
UniProt ID:	<u>Q9Y4P9</u>
Cytogenetics:	20p13
Gene Summary:	Microtubule-associated protein involved in the stabilization of microtubules along the axis of migration during radial intercalation. Promotes the establishment and stabilization of an axis of microtubules required for the active migration of cells into the outer epithelium (By similarity). Microtubule-associated protein that promotes microtubule bundling and stabilizes microtubules against depolymerization in response to cold shock (By similarity). [UniProtKB/Swiss-Prot Function]