

Product datasheet for **SC312406**

C1orf124 (SPRTN) (AK027317) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf124 (SPRTN) (AK027317) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPRTN
Synonyms:	C1orf124; DVC1; PRO4323; spartan
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AK027317, the custom clone sequence may differ by one or more nucleotides ATGGATGATGACTTGATGTTGGCACTGCGGCTTCAGGAGGAGTGGAACCTGCAGGAGGCG GAGCGGATCATGCCAGGAGTCCCTGTCGCTAGTGGACGCGTCGTGGGAGTTGGTGGAC CCCACACCGGACTTGCAGGCACTGTTTGTTCAGTTTAACGACCAATTCTTCTGGGCCAG CTGGAGGCCGTCGAGGTGAAGTGGAGCGTGCGAATGACCTGTGTGCTGGGATATGCAGC TATGAAGGGAAGGGTGAATGTGTTCCATCCGTCTCAGCGAACCCCTTTTGAAGTTGAGG CCAAGAAAGGATCTTGTAGAGGTATAACCATACTTTTACGATGAGGTGGATGAGTATCGG CGACTGGTGGCGCTGCAATGGGCCGTGCCAGCACAGGCCACCGTATTACGGCTATGTC AAACGAGCTACTAACAGGGAACCCTCTGCTCATGACTATTGGTGGCTGAGCACCAGAAA ACCTGTGGAGGCACTTACATAAAAATCAAGGAACCAAGAGAATTACTCAAAAAAAGGCAA AGGAAAGGCAAACTAGGAAAGGAACCAAGTATTGGCCGCAGAGAA
Restriction Sites:	Please inquire
ACCN:	AK027317
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).



[View online »](#)

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: [AK027317.1](#), [BAB55037.1](#)

RefSeq Size: 1659 bp

RefSeq ORF: 1659 bp

Locus ID: 83932

Cytogenetics: 1q42.2

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene may play a role in DNA repair during replication of damaged DNA. This protein recruits valosin containing protein (p97) to stalled DNA replication forks where it may prevent excessive translesional DNA synthesis and limit the number of DNA-damage induced mutations. It may also be involved in replication-related G2/M-checkpoint regulation. Deficiency of a similar protein in mouse causes chromosomal instability and progeroid phenotypes. Mutations in this gene have been associated with Ruijs-Aalfs syndrome (RJALS). Alternatively spliced transcript variants have been identified. [provided by RefSeq, Mar 2015]