

Product datasheet for **SC125697**

SPO11 (NM_198265) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPO11 (NM_198265) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPO11
Synonyms:	CT35; SPATA43; TOPOVIA; TOPVIA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_198265 edited
 CAAGGGCGCAGCCTAGGACAGGGGCTTCTGGAGCTTCTGGCAGCCGTCTGCCCTCATGGC
 CTTTGCACCTATGGGGCCCGAGGCCTCGTTCTTCGACGTTTTGGACCGACACAGGGAGTC
 CCTGCTGGCTGCCCTGAGGAGAGGTGGCAGGGAGCCCCAACTGGGGGAAGCCGCTGGC
 CTCCAGGTTTGAAGATTCTGTGGGTCTTCAGATGGTATCCATTGCACCACCAGAAAGAT
 CAAAAGTGATTCACAAAATCAGCTCAAAAATTTCTCTAATCCTTAAAAATTGTCCAT
 GATTTATAAATTAGTACAGAGCAACACTTATGCAACCAAAAGGGACATATATTACACTGA
 CAGTCAACTCTTTGGTAACCAGACTGTCGTCGACAATATTATCAATGACATTTCTTGCAT
 GTTAAAAGTGCAAGGAGGAGTCTACATATATTATCTACATCAAAAAGGTTAATTGCTGG
 CAACTTAAGATACATCGAGGAAGATGGCACCAAGTGAATTGTACCTGTGGTGAACGGC
 TGTTGCTGTGCCATCGAATATTCAAGGAATTCGGAATTTAGTTACAGATGCAAAGTTTGT
 ATTAATTGTAGAAAAAGATGCAACATTTTCAGCGGCTCCTAGATGACAACCTTTGCAACAA
 ATTGTCTCCTTGCATCATGATTACGGGAAAGGGAGTTCCTGATCTAAACACAAGACTTTT
 AGTCAAGAAACTGTGGGATACATTTTCATGTTCTGTTTTCACTCTGTAGATGCTGATCC
 ACATGGCATAGAAAATAATGTGCATCTATAAGTATGGATCTATGTCTATGTCTTTGAAGC
 TCATCATCTCACAGTTCAGCTATTAGATGGCTTGGTCTTCTCCCTTCTGATCTTAAAAAG
 ATTAATGTACCTAAAGATAGTTTGATTCCAAGTACAAAAAGGGACCAAAATGAACTTGA
 CAGTATCCTGAGGAGACCTTATGTTACCTGCCAACCTTTTGGAGAAAAGAAATGAAAT
 AATGGCAGACTCTAAAATGAAGGCAGAAATTCAGCTTTGACTTTCTATCATCAGATTA
 TCTTTCCAGAGTACTTACCTAACAAATTAATAATTTGGAGGATGGATATAAAAAATAAT
 CAGAAGAACTTCTGATTGCCAGAGGCTTTTCATTAGTTTTGTTTTGATTGGCAAATACTA
 TTGTGGAAGAACATATATTATTTCTAATTCTGTAAAAGTGAATAAAAAATAACTTTCC
 GTTAATTATATATTTTTGTCAAAACAAATGCTGTACTCCAATTTCTTTGCAAGGCCTTA
 TTCTTGCCTCTATAGAGACAGATTTCTGCTCTATCTTCTAAAGCAAATTATAAAAAGAATA
 TGTATTTTGACCTTTAAATTATTTTTGAAAAATAATTTTTATACATGCATCAAAGT
 CTACAAAATATTTACCTTCTACGATACAATAATGTTAACGCATAAAGTATCTTACTGGT
 AACAAAATCATAATGATCTGAATTTGAGATGTTGCAAATGAATTGTGGTGTCCGGTAGT
 TTCTTCTACATTTTCTTTGCCTTTTACTTTAGGGGTCTTACTCCATTAATTCATTTG
 TTACATTAGTAAAATTCAGTATGAATAAATATTTGGATTGATGTAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_198265 unedited
 GTTTTTATTGTATACCATCATATAGGCGGACCGCGAATTCGATCTGGTACCGGTCCGGAT
 TCCCGGGATCAAGGGCGCAGCCTAGGACAGGGGCTTCTGGAGCTTCTGGCAGCCGTCTGCC
 CTCATGGCCTTTGCACCTATGGGGCCCGAGGCCTCGTTCTTCGACGTTTTGGACCGACAC
 AGGGAGTCCCTGCTGGCTGCCCTGAGGAGAGGTGGCAGGGAGCCCCAACTGGGGGAAGC
 CGCTGGCCTCCAGGTTTGAAGATTCTGTGGGTCTTCAGATGGTATCCATTGCACCACC
 AGAAAGATCAAAAAGTGATTCACCAAAAATCAGCTCAAAAATTTCTCTAATCCTTAAAAATA
 TTGTCCATGATTTATAAATTAGTACAGAGCAACACTTATGCAACCAAAAGGGACATATAT
 TACACTGACAGTCAACTCTTTGGTAACCAGACTGTCGTCGACAATATTATCAATGACATT
 TCTTGCATGTTAAAAGTGTCAAGGAGGAGTCTACATATATTATCTACATCAAAGGTTTA
 ATTGCTGGCAACTTAAGATACATCGAGGAAGATGGCACCAAAAGTGAATTGTACCTGTGGT
 GCAACGGCTGTTGCTGTGCCATCGAATATTCAAGGAATTCGGAATTTAGTTACAGATGCA
 AAGTTTGTATTAATTGTAGAAAAAGATGCCACATTTTCAGCGGCTCCTAGATGACAACCTT
 TGCAACANATTGTCTCCTTGCATCATGATTACCGGAAAGGGAGTTCCTGATCTANACACA
 AGACTTTTAGTCAAGAACTGTGGGATACATTTTCATGTTCTGTTTTCACTCTTGTAGAT
 GCTGATCCACATGGCATAGAAAATATGTGCATCTATAAGTATGGATCTATGTCTATGTCT
 TTTGAA

Restriction Sites: NotI-NotI
ACCN: NM_198265

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:	<ol style="list-style-type: none">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:	NM_198265.1 , NP_937998.1
RefSeq Size:	1712 bp
RefSeq ORF:	1077 bp
Locus ID:	23626
UniProt ID:	Q9Y5K1
Cytogenetics:	20q13.31
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>Meiotic recombination and chromosome segregation require the formation of double-strand breaks (DSBs) in paired chromosome homologs. During meiosis in yeast, a meiotic recombination protein is covalently-linked to the 5' end of DSBs and is essential for the formation of DSBs. The protein encoded by this gene is similar in sequence and conserved features to the yeast meiotic recombination protein. The encoded protein belongs to the TOP6A protein family. Several transcript variants encoding different isoforms have been found for this gene, but the full-length nature of only two of them have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) lacks an internal segment compared to isoform a.</p>