

Product datasheet for **SC303984**

STAG3 (NM_012447) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STAG3 (NM_012447) Human Untagged Clone
Tag:	Tag Free
Symbol:	STAG3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303984 representing NM_012447. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTTCCCCGTTGCAAAGAGCTGTGGGAGATACCAAGAGGGCCTTGTCTGCATCTTCTAGTTCCTCT
GCCAGTCTACCCTTTGATGACAGGGACTCAAACCATACCTCAGAGGGGAATGGCGACTCTTTGTTAGCT
GATGAAGACACTGACTTTGAAGACAGCTTGAATCGCAATGTGAAGAAGAGAGCAGCAAACGACCACCG
AAAACAACACCCGGTGGCAAAACATCCAAGAAAGGGTCCCGAGTGGTACATCGTCATAGCCGAAACAG
TCAGAGCCACCAGCCAATGATCTTTTCAATGCTGTGAAAGCCGCAAAAGTGACATGCAGTCTTTGGTA
GATGAGTGGCTGGATAGCTACAAGCAAGACCAGGATGCAGGATTTCTGGAGCTTGTAACTTTTTCATC
CAATCTTGCGGATGTAAGGCATTGTGACCCCTGAGATGTTCAAGAAGATGTCCAACCTCAGAGATCATC
CAGCACCTAACAGAGCAGTTTAATGAGGACTCGGGGACTACCCTCTCATAGCTCCAGGTCATCCTGG
AAGAAGTTCAGGGCAGCTTCTGTGAATTTGTGAGGACATTGGTCTGTCAGTGCCAGTACAGCCTCCTC
TATGATGGCTTCCTATGGACGACCTCATCTCCCTGCTCACTGGCCTCTCAGACTCACAAGTCCGCGCC
TTCCGTCACACTAGCACCTGGCTGCTATGAAACTGATGACCTCCCTGGTAAAAGTTGCCCTCCAACCTG
AGTGTGCACCAAGATAACAATCAGCGTCAGTATGAGGCTGAAAGAAACAAGGGGCCAGGGCAGAGGGCA
CCTGAGCGGCTGGAGAGCCTGTTGGAGAAACGCAAGAGCTCCAAGAGCATCAAGAGGAGATTGAGGGG
ATGATGAATGCCCTTTCAGGGGTGCTTTGTTTATCGGTACAGGGATGTCTTCTGAGATCCGTGCT
ATCTGCATTGAGGAAATGGGTGTTGGATGCAAAGCTACAGCACGCTTTTCTCACCAGCAGCTATTTA
AAATATATTGGTTGACTCTGCATGATAAGCACCGAGAAGTCCGCCTGAAGTGTGTGAAGCCCTGAAA
GGGCTGTACGGTAACCGGGACCTGACCACACGCCTGGAGCTCTTACCAGCCGCTTCAAGGACCGGATG
GTTTCCATGGTCATGGACAGAGAGTATGATGTGGCAGTGGAGGCTGTCAGATTACTGATACTTATCCTT
AAGAACATGGAAGGGGTGCTGACGGACGCGGATTTGTGAGAGCGTCTACCCAGTTGTGTATGCCTCTCAT
CGAGGCCCTGGCCTCTGCCGACGGCAATTTCTGTACTGAAACTCTTCTACCCTGAGTGCAGATAAGA
ATGATGGGTGGAAGAGAGCAACGCCAGAGCCCAGGCGCCAGAGGACTTTCTTCCAGCTTCTGCTGTCC
TTCTTTGTGGAGAGCGAGCTCCATGACCACGCTGCTTACTTAGTAGACAGTCTGTGGGACTGTGCGAGGG
GCTCGGCTGAAGGACTGGGAGGGTCTGACAAGCCTGCTGCTGGAGAAGGACCAGAACCTGGGTGATGTG
CAGGAGAGCACACTGATAGAAATCCTTGTGTCCAGTGCCCGCAAGCTTCAGAGGGGCACCCGCTGTG
```



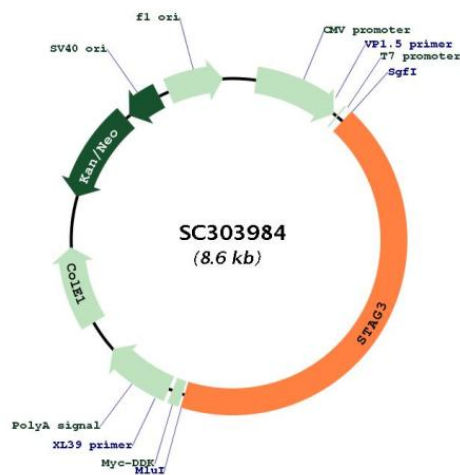
[View online »](#)

GGCCGGTCACTGGGAGGAAGGGCTTAACCTCTAAGGAGCGCAAGACCCAAGCCGATGACAGGGTGAAG
 TTGACTGAGCACCTCATCCCCCTGCTGCCCCAGCTCCTGGCCAAGTTCTCAGCTGATGCAGAGAAGGTC
 ACTCCCCCTGCTCCAGCTTCTCAGCTGCTTTGACCTCCACATCTACTGCACTGGGCGCTTGGAGAAGCAC
 CTGGAGCTGTTCCCTGCAGCAACTCCAGGAGGTGGTGGTGAAGCATGCAGAGCCAGCGGTGCTTGAGGCT
 GGGGCGCATGCCCTCTACCTGCTCTGTAATCCCGAATTCCTTTCTTTCAGCCGGGCGGACTTTGCCCGC
 AGCCAGCTAGTAGATTTGCTGACTGACCCTCCAGCAGGAGCTTGAAGAGCTGTACAGTCGTCCCTTC
 CTAGATGAGGATGAGGTATAAATCTGGCAGCCACTCTGAAACGCCTCTGCTGCTTCTACAACACTCAT
 GACCTGACTCGCTGGGAGCTCTATGAGCCATGTTGCCAACTCCTGCAGAAGGCTGTGGACACAGGAGAG
 GTTCTCACCAGTTATCCTGCCAGCCTTGACTCTTGTCTATTTTTCCATTCTCTGGACACTAACCAC
 ATTTCTAAATCAGATGCTTCCCAGAAGCAGCTGTCGAGTTTGGGGACAGAATGGTGGCCTTCTGTGAA
 CTCTGCCAGAGTTGCCTCTCAGATGTGGATACTGAGATCCAGGAGCAGGCTTTTGTCTTATTAAGTGAT
 CTACTTCTCATCTTAGCCCTCAGATGATTGTTGGGGCCGTGATTTCTTAGGCCACTTGTCTTTTT
 CCTGAAGTACTCTCCAGTCTGAGCTAGCCAGCTTCTCATGGACCAGTCTTCCAGCCGGGAGAC
 CTGGGCAGTGGTATTCCAGGAGGATCATTACAGATAGAGCGGCTACACCAGCGGCGCCGCTCCTA
 GCCGGTTCTGCAAGCTGTTGCTTATGGGGTCTGGAGATGGATGCAGCCTCAGATGTTTTCAAACAC
 TACAACAAGTTCTACAATGACTATGGTGACATTACAAGGAAACATTAAGTAGAGCAAGGCAGATTGAC
 CGAAGTCATTGTTCCCGAATCCTGCTGCTGAGCCTCAAGCAGCTGTACACAGAAGTCTGCAGGAGCAT
 GGGCCCCAGGGCCTGAATGAGCTTCTGCCTTCATCGAGATGAGGGACCTGGCCCGGAGGTTTGCCTTG
 AGTTTTGGACCCAGCAGCTGCAGAACCCTGACCTCGTGGTCA TGCTACACAAGGAAGGCATCCAGTTC
 TCCTTGTCTGAGCTTCTCCAGTGGCTCCTCCAATCAGCCTCCAATCTGGCATTCTGGAGCTCCTT
 TCAGAGTTTTCCCCCGACTCTTCCATCAGGACAAGCAGCTTTTACTGTCCTATCTAGAAAAGTGCCTG
 CAGCATGTCTCCAGGCACCTGGCCATCCCTGGGGCCAGTACCACCTACTGCCACTCCCTCAGCCCT
 GTGGAGAACACAGCAGAGACCACCCCTCAGGCTCCTCCAGCTCCAAGAGGAGGCGGTTGAAGGGCCT
 GCCAAGCCTAACAGAGAGGACGTCTCCTCGTCCCAGGAAGAAAGTCTGCAGCTGAACAGCATCCCGCCC
 ACGCCACCCTCACCTCCACAGCTGTGAAGAGCAGGCAGCCCTGTGGGGTTGAAAAGAGATGGAGGAA
 GAAGATGGCTCAGAGTTGGATTTTGCAGGGTCAAGGTTGAGGTTGAGGTTGAGGTTGAGGTTGAGGTT
 GGTCCACAATATTTCCAGACTCCACACAACCCTTCAAGTCTGGCCTGGGCAACCAGCTGATGCGACTC
 AGCCTTATGGAAGAGGACGAGGAAGAAGAGTTAGAAATCCAGGATGAGTCAAATGAAGAACGGCAGGAT
 ACAGACATGCAAGCAAGTAGCTACTCTCCACCAGTGAGCGGGGCTGGACCTCTTAGATTCTACAGAG
 CTGGATATTGAGGATTTCTGA
 ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC

Restriction Sites:

Sgfl-Mlul

Plasmid Map:



ACCN:	NM_012447
Insert Size:	3678 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).
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).
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:	<u>NM_012447.3</u>
RefSeq Size:	4394 bp
RefSeq ORF:	3678 bp
Locus ID:	10734
UniProt ID:	<u>Q9UJ98</u>
Cytogenetics:	7q22.1
Protein Pathways:	Oocyte meiosis
MW:	139 kDa
Gene Summary:	<p>The protein encoded by this gene is expressed in the nucleus and is a subunit of the cohesin complex which regulates the cohesion of sister chromatids during cell division. A mutation in this gene is associated with premature ovarian failure. Alternate splicing results in multiple transcript variants encoding distinct isoforms. This gene has multiple pseudogenes. [provided by RefSeq, Apr 2014]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript and encodes isoform 1. Variants 1 and 2 encode the same isoform.</p>