

Product datasheet for **SC337951**

STAG3 (NM_001282717) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STAG3 (NM_001282717) 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:	>NCBI ORF sequence for NM_001282717, the custom clone sequence may differ by one or more nucleotides

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ATGTCCTCCCGTTGCAAAGAGCTGTGGGAGATACCAAGAGGGCCTTGTCTGCATCTTCTAGTTCCTCTG
CCAGTCTACCCCTTGGATGACAGGGACTCAAACCATACCTCAGAGGGGAATGGCGACTCTTGTAGCTGA
TGAAGACACTGACTTTGAAGACAGCTTGAATCGCAATGTGAAGAAGAGAGCAGCAAAACGACCACCGAAA
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AGCCACCAGCCAATGATCTTTCAATGCTGTGAAAGCCGCCAAAAGTGACATGCAGTCTTTGGTAGATGA
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TGCGGATGTAAAGGCATTGTGACCCCTGAGATGTTCAAGAAGATGTCCAACCTCAGAGATCATCCAGCAC
TAACAGAGCAGTTAATGAGGACTCGGGGACTACCCTCTCATAGCTCCAGGTCCATCCTGGAAGAAGTT
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TTCCTATGGACGACCTCATCTCCCTGCTCACTGGCCTCTCAGACTCACAAGTCCGCGCCTTCCGTACA
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CAGGCGAATTTCTGACTGAAACTCTTCTACCCTGAGTGCAGATAAGAATGATGGGTGGAAGAGAGCA
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CCTTGTGTCCAGTCCCCGCAAGCTTCAGAGGGGCACCCGCTGTGGGCCGGTCACTGGAGGAAGGGC
TTAACCTTAAGGAGCGCAAGACCAAGCCGATGACAGGGTGAAGTTGACTGAGCACCTCATCCCCCTGC
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TGCCCCAGCTCCTGGCCAAGTTCTCAGCTGATGCAGAGAAGGTCCTCCCTGCTCCAGCTTCTCAGCTG
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GAGGTGGTGGTGAAGCATGCAGAGCCAGCGGTGCTTGAGGCTGGGGCGCATGCCCTCTACCTGCTGTGA
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CTTCCAGCAGGAGCTTGAAGAGCTGTTACAGTCGTCCTTCTAGATGAGGATGAGGTATATAATCTGGCA
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ACTGTCCTATCTAGAAAAGTGCCTGCAGCATGTCTCCAGGCACCTGGCCATCCCTGGGGCCAGTCACC
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GCACCGAGAGGTCAAGGTTCTTGGGTCCACAATTTCCAGACTCCACACAACCCTTCAGGTCCTGGCCT
GGGCAACCAGCTGATGCGACTCAGCCTTATGGAAGAGGACGAGGAAGAAGAGTTAGAAATCCAGGATGAG
TCAAATGAAGAACGGCAGGATACAGACATGCAAGCAAGTAGTACTCTTCCACCAGTGAGCGCGGGCTGG
ACCTCTTAGATTCTACAGAGCTGGATATTGAGGATTTCTGA
    
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- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001282717
- 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:** [NM_001282717.1](#), [NP_001269646.1](#)
- RefSeq Size:** 4397 bp

RefSeq ORF: 3681 bp

Locus ID: 10734

UniProt ID: [Q9UJ98](#)

Cytogenetics: 7q22.1

Protein Pathways: Oocyte meiosis

Gene Summary: 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]

Transcript Variant: This variant (3) uses an alternate in-frame acceptor splice site in the 3' coding region compared to variant 1. The resulting isoform (2) is 1 aa longer than isoform 1.