

Product datasheet for **MC229532**

Stag2 (NM_001290713) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stag2 (NM_001290713) Mouse Untagged Clone
Tag: Tag Free
Symbol: Stag2
Synonyms: 9230105L23Rik; B230112I07Rik; SA-2; SAP2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229532 representing NM_001290713
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATAGCAGCTCCAGAAATACCAACTGATTTTAACTACTGCAGGAGTCAGAGACACACTTTTCTTCTG
ACACAGATTTTGAAGACATTGAAGGAAAAATCAGAAGCAAGGCAAAGGCAAACTTGTAAGGAAAGGCAA
AAAGGTCAGCAGAAAAGGGTAAAAGTGGAAATGGAGGAGGAAAACCTCCTTCTGGCTCAAACCGAATG
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CTATGCAGTCGGTGGTAGATGACTGGATCGAGTCTACAAGCATGACCGGACATAGCGCTTCTTACCT
TATCAATTTCTTTATTCACTGCTCAGGCTGCAAAGGAGTCGTACAGCAGAGATGTTTCAGACATATGCAG
AACTCTGAGATAATTCGAAAAATGACAGAAGAATTTGACGAGGATAGTGGGGATTACCCACTTACCATGG
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CTCCTGAAAGACTGGGAATGTATGAATAGCTTGTATTAGAAGAGCCTCTTAGTGGAGAGGAAGCTCAA



CAGACAGACAAGAGAGTCTTTGATTGAAATAATGCTTTGTA CTATTAGACAAGCAGCTGAATGTCATCC
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 AGGTGACCAATTTGTTGCAGTTACCTCAGTACTTTGATTTGGAGATATACACCACTGGACGATTAGAAAA
 GCATTTGGATGCCTATTGCGCCAGATCCGAAATATTGTAGAGAAGCACACAGACAGATGTTTTGGAA
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 TACTTGCAGCATTGTAAGCTAATTGTATATACCGTGGTGGAGATGAACACAGCTGCAGATATCTTCAA
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 AACTTTTGGACTTGATCAATTGAAAACAGAGAAGCCATTGCCATGTCCACAAAGATGGTATAGAATTT
 GCTTTTAAAGGAGCCTAATCCACAAGGGGAGAGCCATCCACCTTAAACTTGGCATTCTTGATATTCTCA
 GTGAATTTTCTTAACTGCTCCGACAGGATAAAAGAACAGTGTATGTTTATTTGGAAAAGTTCATGAC
 CTTTCAGATGCACTCCGAAGAGAAGATGTATGGCTTCCCTCTGATGTCTTACCGAAATCTTTGCTAGCT
 GGTGGTGTGATGATACTATGTCAGTCATTAGTGGAAATGAGCAGTCGGGGATCAACTGTACGGAGTAAAA
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 TGCAGGCAGAACCCATCAAACGCCTCTGGATTAAACACGCAGGTAACATGGATGTTAGCTCAAAGACA
 ACAAGAGGAAGCAAGGCAACAGCAGGAGAGAGCAGCAATGAGCTATGTTAACTGCGAACTAATCTTCAG
 CATGCCATTCCGGCTGGTACAAGCCTAATGGAAGATGATGAAGAGCCAATGTTGAAGATGTTATGATGT
 CCTCAGAAGGAAGGATTGAGGATCTTAATGAGGGAATGGACTTTGACACCATGGATATAGACTTGCCACC
 ATCAAAGAATAGAAGAGAGAGAACAAGAAGTGAAGCCGATTTCTTGTCCAGCTCAATATGGATGAA
 TCAGTTCTTGGGGTGTCAATGTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001290713
- Insert Size:** 3807 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001290713.1](#), [NP_001277642.1](#)

RefSeq Size: 5814 bp

RefSeq ORF: 3807 bp

Locus ID: 20843

Cytogenetics: X A4

Gene Summary: Component of cohesin complex, a complex required for the cohesion of sister chromatids after DNA replication. The cohesin complex apparently forms a large proteinaceous ring within which sister chromatids can be trapped. At anaphase, the complex is cleaved and dissociates from chromatin, allowing sister chromatids to segregate. The cohesin complex may also play a role in spindle pole assembly during mitosis (By similarity).[UniProtKB/Swiss-Prot Function]