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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC229532 representing NM_001290713
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATAGCAGCTCCAGAAATACCAACTGATTTTAATCTACTGCAGGAGTCAGAGACACACTTTTCTTCTG
ACACAGATTTTGAAGACATTGAAGGAAAAAATCAGAAGCAAGGCAAAGGCAAAACTTGTAAAAAAGGCAA
AAAGGGTCCAGCAGAAAAGGGTAAAAGTGGAAATGGAGGAGGAAAACCTCCTTCTGGCTCAAACCGAATG
AACGGTCATCATCAACAGAATGGAGTTGAAAACATGATGTTGTTCGAAGTTGTTAAAATGGGCAAGAGTG
CTATGCAGTCGGTGGTAGATGACTGGATCGAGTCCTACAAGCATGACCGGGACATAGCGCTTCTTGACCT
TATCAATTTCTTTATTCAGTGCTCAGGCTGCAAAGGAGTCGTCACAGCAGAGATGTTCAGACATATGCAG
AACTCTGAGATAATTCGAAAAATGACAGAAGAATTTGACGAGGATAGTGGGGATTACCCACTTACCATGG
CTGGTCCTCAGTGGAAGAAGTTCAAGTCCAGCTTCTGTGAGTTCATTGGTGTGTTAGTACGGCAGTGTCA
ATACAGTATCATATATGATGAGTACATGATGGATACTGTCATTTCACTTCTTACTGGATTGTCTGACTCC
CAAGTCAGAGCATTTCGACATACAAGCACCCTGGCAGCTATGAAGTTGATGACTGCTTTGGTAAATGTGG
CACTAAATCTTAGCATTAATATGGATAACACACAAAGACAGTACGAGGCAGAACGGAATAAAATGATTGG
AAAACGAGCTAACGAAAGGCTAGAACTCCTGTTACAAAAGCGTAAAGAGCTTCAGGAAAATCAAGATGAG
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TCAGAGCTATATGCATTGAAGAGATTGGCATTTGGATGAAGATGTATAGTGATGCCTTCCTTAATGACAG
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CACCGGCCAGTAGCAGTTGCAGCTGGAGAATTTCTCTACAAAAAGCTCTTCAGCCGCAGAGACCCAGAAG
AGGATGGGCTGATGAAAAGAAGGGGAAGGCAAGGCCCGAATGCCAACCTTGTGAAGACTTTGGTGTTTTT
CTTTTTGGAAAGTGAGTTACACGAGCATGCAGCTTACCTTGTGGACAGCATGTGGGATTGTGCTACTGAG
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CTCCTGAAAGACTGGGAATGTATGAATAGCTTGTTATTAGAAGAGCCTCTTAGTGGAGAGGAAGCTCTAA
CAGACAGACAAGAGAGTGCTTTGATTGAAATAATGCTTTGTACTATTAGACAAGCAGCTGAATGTCATCC
TCCCGTGGGAAGAGGGACAGGAAAAAGGGTGCTGACAGCAAAGGAGAAGAAGACACAGTTGGATGACAGA
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AGGTGACCAATTTGTTGCAGTTACCTCAGTACTTTGATTTGGAGATATACACCACTGGACGATTAGAAAA
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GCATGTTCTAAAACTTACCATGCATTATGTAACGAAGAGTTCACCATCTTCAACAGAGTAGATATTTCAA
GAAGTCAGCTGATTGATGAACTGGCAGATAAATTTAACCGGCTTCTTGAAGATTTTCTGCAAGAGGGAGA
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CATGATCTTTCAAAGTGGGATTTGTTCGCTTGTAATTACAAACTCTTGAAAACCGGAATCGAAAATGGAG
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TTTTGATGATCTTCAGTCACCAGATTATGTCTGGAGGGCGTGACATGTTAGAGCCATTAGTTTATACTCC
TGATTCTTCATTGCAGTCTGAGTTGCTCAGCTTTATTTTGGATCATGTCTTCATTGAACAGGATGATGAT
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TACTTGCAGCATTTTGTAAGCTAATTGTATATACCGTGGTGGAGATGAACACAGCTGCAGATATCTTCAA
GCAGTATATGAAGTATTATAATGATTATGGCGATATCATCAAAGAAACAATGAGTAAAACAAGGCAGATT
GACAAAATTCAGTGTGCTAAGACCCTTATTCTCAGTTTGCAGCAGCTTTTTAATGAGATGATACAAGAGA
ATGGCTATAATTTTGATAGATCATCCTCAACATTTAGTGGCATAAAAGAACTTGCTCGGCGTTTTGCTTT
AACTTTTGGACTTGATCAATTGAAAACCAGAGAAGCCATTGCCATGCTCCACAAAGATGGTATAGAATTT
GCTTTTAAGGAGCCTAATCCACAAGGGGAGAGCCATCCACCTTTAAACTTGGCATTTCTTGATATTCTCA
GTGAATTTTCTTCTAAACTGCTCCGACAGGATAAAAGAACAGTGTATGTTTATTTGGAAAAGTTCATGAC
CTTTCAGATGTCACTCCGAAGAGAAGATGTATGGCTTCCTCTGATGTCTTACCGAAATTCTTTGCTAGCT
GGTGGTGATGATGATACTATGTCAGTCATTAGTGGAATGAGCAGTCGGGGATCAACTGTACGGAGTAAAA
AATCAAAACCATCTACAGGAAAGCGGAAAGTGGTTGAAGGCATGCAACTAGCACTCCCTGAAGAAAGCAG
TAGCAGTGACAGTATGTGGTTGAGCAGAGAGCAAACACTGCACACCCCTGTCATGATGCAGACACCACAG
CTCACCTCCACTATTATGAGAGAACCGAAAAGGTTACGGCCTGAAGATAGCTTCATGAGTGTCTATCCGA
TGCAGGCAGAACACCATCAAACGCCTCTGGATTATAACACGCAGGTAACATGGATGTTAGCTCAAAGACA
ACAAGAGGAAGCAAGGCAACAGCAGGAGAGAGCAGCAATGAGCTATGTTAAACTGCGAACTAATCTTCAG
CATGCCATTCGGCGTGGTACAAGCCTAATGGAAGATGATGAAGAGCCAATTGTTGAAGATGTTATGATGT
CCTCAGAAGGAAGGATTGAGGATCTTAATGAGGGAATGGACTTTGACACCATGGATATAGACTTGCCACC
ATCAAAGAATAGAAGAGAGAGAACAGAACTGAAGCCCGATTTCTTTGATCCAGCTTCAATTATGGATGAA
TCAGTTCTTGGGGTGTCAATGTTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-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.

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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]

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