

Product datasheet for **SC320467**

GAJ (MND1) (NM_032117) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GAJ (MND1) (NM_032117) Human Untagged Clone
Tag:	Tag Free
Symbol:	GAJ
Synonyms:	GAJ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_032117.2</p> <pre> CCCAAGCGGGCCCGCCAGCGGAAGCCCTGCGCCCGCCATGTCAAAGAAAAAGG ACTGAGTGCAGAAGAAAAGAGAACTCGCATGATGGAAATATTTTCTGAAACAAAAGATGT ATTTCAATTAAAAGACTTGGAGAAGATTGCTCCCAAAGAGAAAGGCATTACTGCTATGTC AGTAAAAGAAGTCTTCAAAGCTTAGTTGATGATGGTATGGTTGACTGTGAGAGGATCGG AACTTCTAATTATTATTGGGCTTTTCCAAGTAAAGCTCTTCATGCAAGGAAACATAAGTT GGAGGTTCTGGAATCTCAGTTGTCTGAGGGAAGTCAAAGCATGCAAGCCTACAGAAAAG CATTGAGAAAAGCTAAAATTGGCCGATGTGAAACGGAAGAGCGAACCAGGCTAGCAAAAAGA GCTTTCTCACTTCGAGACCAAAGGGAACAGCTAAAGGCAGAAGTAGAAAAATACAAAGA CTGTGATCCGCAAGTTGTGGAAGAAATACGCCAAGCAAATAAAGTAGCCAAAGAAGCTGC TAACAGATGGACTGATAACATATTCGCAATAAAATCTTGGGCCAAAAGAAAATTTGGGTT TGAAGAAAATAAAATTGATAGAATTTTGGAAATCCAGAAGACTTTGACTACATAGACTA AAATATTCATGGTGGTGAAGGATGTACAAGCTTGTGAATATGTAATTTTAAACTATTA TCTAACTAAGTGTACTGAATTGTCGTTTGCCTGTAAGTGTGTTTATCATTATTAATGT TAAATAAAGTGTAAAATGCAGATGTTCTTCACCCCTTTTGGTAGATCAAAAGCAGGATGA TAACCATATCCCCCAGTGCTCATCAAAGTAGGACAATAAAAAATCCATCCATCTCAAAAA AAAAAAAAAAAAAAAAAAAAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_032117
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).



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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_032117.2</u> , <u>NP_115493.1</u>
RefSeq Size:	941 bp
RefSeq ORF:	618 bp
Locus ID:	84057
UniProt ID:	<u>Q9BWT6</u>
Cytogenetics:	4q31.3
Domains:	Mnd1
Protein Families:	Druggable Genome
Gene Summary:	The product of the MND1 gene associates with HOP2 (MIM 608665) to form a stable heterodimeric complex that binds DNA and stimulates the recombinase activity of RAD51 (MIM 179617) and DMC1 (MIM 602721) (Chi et al., 2007 [PubMed 17639080]). Both the MND1 and HOP2 genes are indispensable for meiotic recombination.[supplied by OMIM, Mar 2008] Transcript Variant: This variant (1) encodes the longer isoform (1).