

Product datasheet for **RR200544**

Sertad2 (NM_001024903) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sertad2 (NM_001024903) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sertad2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR200544 representing NM_001024903 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAGAAGAATGACTGGAAGAAAACAATCTGGGGTGGGGGGTCCGGGGTGGCGTCTCTGTGATGTCA
GGCGCTGGCCTCCACCCTGCCACTCGAGTGTCTACCGAACACGACGCTGGCTCTGGGCTGTGCATTAC
TGTATATATGTTGGGTAAGGAGGAAAGCGGAAGTTTACGAGCATGAAGATGGGCTGGAAGGCAAAGTC
GTGTTCCCTCCGATGCTCCATCCAGGGTGTCTTACACCTTACAGCGCCAGACTATCTTCAACATTTCCC
TTATGAAACTGTATAACCACAGGCCTCTGACAGAGCCAGCTTGAGAAGACTGTCTTAATTAACAACAT
GTTGAGGCGGATCCAGGAGGAACTCAAGCAGGAAGGCAGCCTGAGGCCTACATTCACCCCACTTCCCAG
CCCAGCGACTCACTGAGTGACAGCTACCGGAGGCCCCACCTGCCTTACCCCCCTGGCCTCGCCTCCTG
CTCACCCCTGTGACCTAGGAAGCACTACACCCTTGAGGCCTGCCTCACCCCTGCCTCGCTGCTCGAGG
CGACGATGACACTTTTTGCACTTTGAGGCTGTGACCCTGCGGCTCCACCCAGACTCTCTTCTCCAGCT
CTCTCAGCAGAGAAGGACAGCTTCTCCTCCGCTTGACGAGATCGAGGAGCTCTGTCTACATCTACCT
CCACAGAGGCTGCCGAGCAGCAGCCCTGAGGGCTCGAAAGGAACCTCCAGTGAGACCAGTGCCAGAA
ACCCGAGGGGCCAGGAAGGCCGACAGACGACTCAAGATTCATGGACTCTCTGCCTGGGAATTTTGAA
ATAACAACGTCCACGGGTTTCTGACAGACTTGACCCTGGATGACATCTTGTGTTGCTGACATTGATACAT
CCATGTATGATTTTGACCCCTGCACATCTGCATCAGGGACAGCCTCAAAGATGGCCCTGTGTGAGCTGA
TGACCTCTCAAGACCCTGGCTCCCTACAGCAATCAGCCTGTTGCCCCAAGTCAGCCTTTCAAAATGGAT
CTCACAGAGCTGGACCACATCATGGAGGTACTTGTGGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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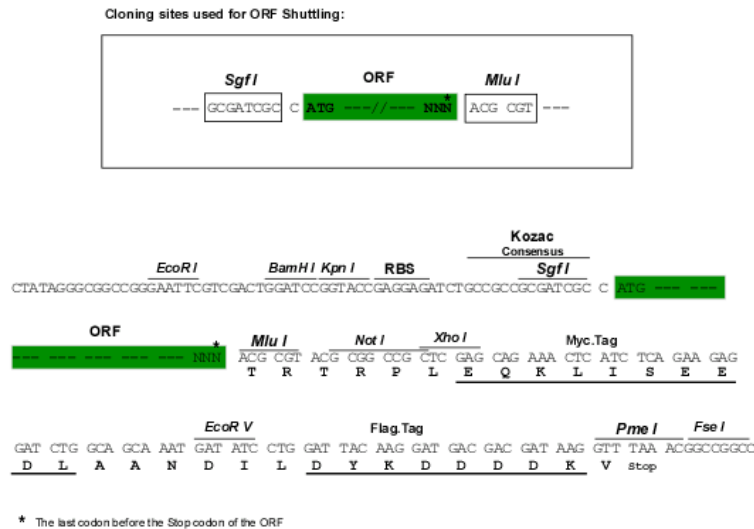
Protein Sequence: >RR200544 representing NM_001024903
 Red=Cloning site Green=Tags(s)

MEKNDWKKTIWGGGFRGGVLCVRRWPPPCSSAATEHDAGSGLCITYMLGKGGKRKFDEHEDGLEGKV
 VFPSDAPSRVSYTLQRQTIFNISLMKLYNHRPLTEPSLQKTVLINMRLRIQEELKQEGSLRPTFTPTSQ
 PSDSLSDSYREAPPAFTPLASPPAHPCDLGSTTLEACLTASLLEGGDDTFCTLQAVHPAAPTRLSSPA
 LSAEKDSFSSALDEIEELCPTSTSTEAASAAAAPEGSKGTSSETSVQKPEGPQEGRTDDSRFMDSLPGNFE
 ITTSTGFLTDLTDDILFADIDTSMYDFDPCTSASGTASKMAPVSADDLLKTLAPYSNQPVAPSQPFKMD
 LTLDHIMEVLVGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001024903

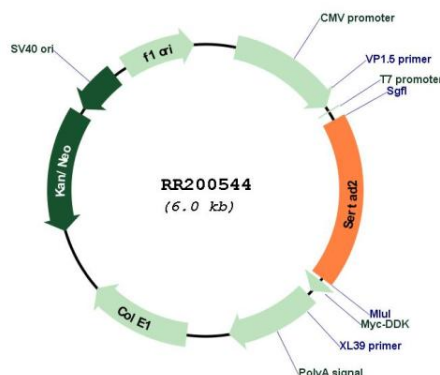
ORF Size: 1092 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<u>NM_001024903.1, NP_001020074.2</u>
RefSeq Size:	1535 bp
RefSeq ORF:	1095 bp
Locus ID:	498423
Cytogenetics:	14q22
MW:	39.3 kDa

Product images:



Circular map for RR200544