

Product datasheet for **SC108703**

SERTAD2 (NM_014755) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERTAD2 (NM_014755) Human Untagged Clone
Tag:	Tag Free
Symbol:	SERTAD2
Synonyms:	Sei-2; TRIP-Br2; TRIPBR2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014755, the custom clone sequence may differ by one or more nucleotides

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ATGTTGGGTAAGGAGGAAAACGGAAGTTTGATGAGCATGAAGATGGGCTGGAAGGCAAAATCGTGTCTC
CCTGTGACGGTCCATCCAAGGTGCTTACACCTTACAGCGCCAGACTATCTTCAACATTTCCCTTATGAA
ACTCTATAACCACAGGCCCTGACAGAGCCAGCTTGCAAAGACCGTTTTAATTAACAACATGTTGAGG
CGGATCCAGGAGGAACTCAAACAGGAAGGCAGCCTGAGGCCATGTTACCCCCCTCCTCCAGCCCACCA
CCGAGCCCAGCGACAGCTACCGAGAGGCCCGCCGGCCTCAGCCACCTGGCGTCCCGTCTCCACCC
CTGCGACCTCGGAAGCACTACGCCCTGGAGGCCTGCCTACCCCGCCCTCACTGCTCGAGGACGACGAT
GACACGTTTTGCACCTCCAGGCCATGCAGCCCACGGCTCCACCAAACGTGCACCTCCAGCCCTTGC
CAGAAAAGGACAGTTTTCTCTCTGCCTTGACGAGATCGAGGAGCTCTGTCCACATCTACTCCACAGA
GGCGGCCACGGTGCAGTGTGAAAGGGACCTCCAGCGAGGCTGGCACCAGAACTCGACGGT
CCTCAAGAGAGCCGCGCAGATGACTCAAACTGATGGACTCTCTGCCTGGGAATTTGAAATAACGACGT
CCACGGGTTTCTGACAGACTTGACCCTGGATGACATCCTGTTTGCTGACATTGATACGTCCATGTATGA
TTTTGACCCCTGCACTTCTCATCAGGGACAGCCTCAAAATGGCCCCTGTGTCTGCCGACGACCTCCTC
AAAACCTGGCTCCTTACAGCAGTCAGCCTGTACCCCAAGTCAGCCTTTCAAAATGGACCTCACAGAGC
TGGACCACATCATGGAGGTGCTTGTGGTCCTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014755 unedited TCCTCCGCTGCGCTGCCGCCGCCGCTCCACCATTGTATAATGCTCGGGGCGCGCAGGCAG AGAACGGCGGAGTCTTAGCTTCAGCCTCGCCTGCTGCCCTCTCCCGGCGCCACCCTCGG GCCCTGGAGCGGGGCACTCCGCATGGAGCGGGAGTAGCTGAGGAGTGGGCGGAAACCC TCCTGATGCGTTAGTCCCAGGTGGAGCTGCATGTGATATATGTTGGGTAAGGAGGAAA ACGGAAGTTTGTAGCATGAAGATGGGCTGGAAGGCAAAATCGTGTCTCCCTGTGACGG TCCATCCAAGGTGCTTACACCTTACAGCGCCAGACTATCTTCAACATTTCCCTTATGAA ACTCTATAACCACAGGCCCTGACAGAGCCAGCTTGCAAAAGACCGTTTTAATTAACAA CATGTTGAGGCGGATCCAGNGAGAACTCAAACAGGAAAGCAGCCTGAGGCCCATGTTAC CCCCTTCTCCAGCCACCACCGAGCCAGCGACAGCTACCGAGAGGCCCGCGGCTT CAGCCACCTGGCCGTCCCGTCTCCACCCTGCGACCTCGGAAGCACTACCCCTGGA GGCCTGCCTAACCCGGCTCACTGTTTGGGAACACCATGACCCGTTTTGGACCTCCAGC CCTGCAGCCAGGCTCCACAAATTGTCACCTCAGCCCTTTCGAAAAAGGCAAGTTTT TCCTTTGCTGCACGAAATCGAGAACTTTGTCCCCTTTACCCCTAGAAGGGGCCCGGT TGCAATGAACAAGAAAAGGACCA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014755 unedited TGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTACATTTGTCATTTAACAAAGGC TGCCCTGCGGTATTCATAATTCATTGTTTACCACAAAGGTGGCTCATAAATTAAGCTTT AAAAACGATCTGTAAGTTGATACTTCCGGCTTTTGGACCTTATTTGATTTCCAACCTCT CCTTGTGTTGTTACCCACGCCTATTTGTATCACTCCCCGACCTCTGCGTTGCTTTTTTTC CGCTTCTTCCACCCCTTTTTCGGTTTACCGCAACTTATGCCCCCGCTCCTTGCTT TTTCTTTTTATTCTCGCGCGCCCCCTTCTTTTTTTTTTCCCTACCCATACTTCT TCTGAAAAAATCGTTGTGCTCTCGTCCCTGTTTTTCCCGCTCTCTACCCCTGTTC CCGCTCTCCTTCTTCCCCCCCCCCCCCGTATTTGCCATTCCCCTCTTCTCCTCTTA CCCCCCTTTTCCCTTTTTTCTTCCCTCCCCCCCCCCCCCTTTTTCCCCCTCCGCA TTTATATCCTCCCATAACTTATCTCTTCTCTCTTTTTTCCCCCATCCGTGCGACTT TTCTTCTCGTTATCCTTCTTCCCCATTATCATCCCATGATTCTTCCCGTCCGCGC CTTTCATCATCCATTCCCCCCCCCCCCCTATATTTCCCGGTTTCTTCCCTTCTTTTTT ATTTTCATCCCGTTACCTCTCGTCTTCCCCCTTCACTCCCGCGGTTTTCCCTCCATT CTCATTAACGCGTTGTTCTCGTCAATCTCGCTTCACTACCACATAAGATTTTCCCTT CCATTTGTTCCCGACATTTTCAACATCTCACCCCTCCCATTTTTTCCCTTTCCCTTTCT ATTCTGTTGCTTTTTTCCCTCTCCGCTTTTTTCCCCACCCCTTTTTTCTCGATTCC ACCTCTCCCATCAGTATCTACTGTCTACTCCTCCCATATTCCGCTATCCCCCTTATG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_014755
Insert Size:	5000 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).
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:	NM_014755.1 , NP_055570.1
RefSeq Size:	5544 bp
RefSeq ORF:	945 bp
Locus ID:	9792
UniProt ID:	Q14140
Cytogenetics:	2p14
Protein Families:	Transcription Factors
Gene Summary:	Acts at E2F-responsive promoters as coregulator to integrate signals provided by PHD- and/or bromodomain-containing transcription factors. May act as coactivator as well as corepressor of E2F1-TFDP1 and E2F4-TFDP1 complexes on E2F consensus binding sites, which would activate or inhibit E2F-target genes expression. Modulates fat storage by down-regulating the expression of key genes involved in adipocyte lipolysis, thermogenesis and oxidative metabolism.[UniProtKB/Swiss-Prot Function]