

Product datasheet for **SC317539**

TRBP (TARBP2) (NM_134324) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRBP (TARBP2) (NM_134324) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRBP
Synonyms:	LOQS; TRBP; TRBP1; TRBP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317539 representing NM_134324. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGGCCGCCAACCCAGGCAAGACCCCGATCAGCCTTCTGCAGGAGTATGGGACCAGAATAGGGAAAG
ACGCCTGTGTACGACCTTCTCAAAGCCGAGGGCCAAGCCACCAGCCTAATTTACCTTCCGGGTCAAC
GTTGGCGACACCAGCTGCACTGGTCAGGGCCCCAGCAAGAAGGCAGCCAAGCACAAGGCAGCTGAGGTG
GCCCTCAAACACCTCAAAGGGGGGAGCATGCTGGAGCCGCCCTGGAGGACAGCAGTTCTTTTTCTCCC
CTAGACTTTCAGTGCCTGAGGACATTCGGTTTTTACTGCTGCAGCAGCTGCTACCCAGTTCCATCT
GTAGTCTAACCAGGAGCCCCCATGGAAGTGCAGCCCCCTGTCTCCCCTCAGCAGTCTGAGTGC AAC
CCCCTTGGTGTCTGCAGGAGCTGGTGGTGCAGAAAGGCTGGCGGTTGCCGGAGTACACAGTGACCCAG
GAGTCTGGGCCAGCCACCGCAAAGAATTCACCATGACCTGTGAGTGGAGCGTTTCATTGAGATTGGG
AGTGGCACTTCCAAAAAATTGGCAAAGCGGAATGCGGCGGCCAAAATGCTGCTTCGAGTGACACCGGTG
CCTCTGGATGCCCGGATGGCAATGAGGTGGAGCCTGATGATGACCATTCTCCATTGGTGTGGGCTCC
CGCCTGGATGGTCTTCGAAACCGGGGCCAGGTTGCACCTGGGATTCTCTACGAAATTAGTAGGAGAG
AAGATCCTGTCCCTCCGAGTTGCTCCCTGGGCTCCCTGGGTGCCCTGGGCCCTGCCTGCTGCCGTGTC
CTCAGTGAGCTCTCTGAGGAGCAGGCCTTTCACGTGAGTACCTGGATATTGAGGAGCTGAGCCTGAGT
GGACTTGCCAGTGCCTGGTGGAACTGTCCACCCAGCCGCCACTGTGTGTCATGGCTCTGCAACCACC
AGGGAGGCAGCCCGTGGTGGGCTGCCCGCCGTGCCCTGCAGTACCTCAAGATCATGGCAGGCAGCAAG
TGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_134324



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Insert Size:	1038 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:	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:	NM_134324.2
RefSeq Size:	1488 bp
RefSeq ORF:	1038 bp
Locus ID:	6895
UniProt ID:	Q15633
Cytogenetics:	12q13.13
Protein Families:	Stem cell - Pluripotency
MW:	36.9 kDa
Gene Summary:	<p>HIV-1, the causative agent of acquired immunodeficiency syndrome (AIDS), contains an RNA genome that produces a chromosomally integrated DNA during the replicative cycle. Activation of HIV-1 gene expression by the transactivator Tat is dependent on an RNA regulatory element (TAR) located downstream of the transcription initiation site. The protein encoded by this gene binds between the bulge and the loop of the HIV-1 TAR RNA regulatory element and activates HIV-1 gene expression in synergy with the viral Tat protein. Alternative splicing results in multiple transcript variants encoding different isoforms. This gene also has a pseudogene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) has an alternate 5' exon and uses a downstream AUG codon for translation, as compared to variant 1. The encoded isoform (b) thus has a shorter N-terminus, as compared to isoform a.</p>