

Product datasheet for **SC320138**

TRBP (TARBP2) (NM_004178) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRBP (TARBP2) (NM_004178) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRBP
Synonyms:	LOQS; TRBP; TRBP1; TRBP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004178.4
 CCACAGCTTACGGACCGGGAGAGAGGGGGCGCGGAAGGAAGGAGGCGGGACGGTATTAC
 AAACAAAAAATACGGCCTTCTCGAGAAGCGACGGCGGAGGGCCCGCTCCTCCAGAAAGG
 CGGTGCAGCCTGCCCGGGCGAGCCACGCACGCAGAGGGTTGTGGGGCGGATAGTCCCCT
 CCAGATGGAGGCTCACGAAGTAGGGTGGGCGGGGACTCCATATCCACAGCGTGCCCGCG
 GCGGGCCCTACCGGCCGACTCCGGCTTGGCCCCGGCCCTAGCTCGTCGGCTGTGTAT
 TGGGGCGCTGGAGGCTGCAGTACGGTGGCGCCCGGGGACGGAGGAGGGAATGAGTG
 AAGAGGAGCAAGGCTCCGGCACTACCACGGGCTGCGGGCTGCCTAGTATAGAGCAAATGC
 TGCCCGCAACCCAGGCAAGACCCCGATCAGCCTTCTGCAGGAGTATGGGACCAGAAATAG
 GGAAGACGCTGTGTACGACCTTCTCAAAGCCGAGGGCCAAGCCACCAGCCTAATTTCA
 CCTTCCGGGTACCGTTGGCGACACCAGCTGCACTGGTACAGGGCCCCAGCAAGAAGGCAG
 CCAAGCACAAGGCAGCTGAGGTGGCCCTCAAACACCTCAAAGGGGGGAGCATGCTGGAGC
 CGGCCCTGGAGGACAGCAGTTCTTTTTCTCCCCTAGACTCTTCACTGCCTGAGGACATTC
 CGGTTTTACTGTGCAGCAGCTGCTACCCAGTCCATCTGTAGTCTTAACCAGGAGCC
 CCCCCATGGAAGTGCAGCCCCCTGTCTCCCTCAGCAGTCTGAGTGAACCCCGTTGGTG
 CTCTGCAGGAGCTGGTGTGCAGAAAGGCTGGCGGTTGCCGAGTACACAGTGACCCAGG
 AGTCTGGGCCAGCCACCACGAAAGAAATACCATGACCTGTGAGTGGAGCGTTTCATTG
 AGATTGGGAGTGGCACTTCCAAAAAATTGGCAAAGCGAATGCGGCGGCCAAAATGCTGC
 TTCGAGTGCACACGGTGCCTCTGGATGCCCGGGATGGCAATGAGGTGGAGCCTGATGATG
 ACCACTTCTCCATTGGTGTGGGCTCCCCTGGATGGTCTTCAAACCGGGGCCAGGTT
 GCACCTGGGATTTCTACGAAATTCAGTAGGAGAGAAGATCCTGTCCCTCCGAGTTGCT
 CCCTGGGCTCCCTGGGTGCCCTGGGCCCTGCCTGCTGCCGTGCTCAGTGAGCTCTCTG
 AGGAGCAGGCTTTCACGTCAGTACCTGGATATTGAGGAGCTGAGCCTGAGTGGACTCT
 GCCAGTGCCTGGTGAACTGTCCACCCAGCCGGCCACTGTGTGTCATGGCTCTGCAACCA
 CCAGGGAGGCAGCCGTGGTGGAGCTGCCCGCCGTGCCCTGCAGTACCTCAAGATCATGG
 CAGGCAGCAAGTGAAGCCCCAGCTGGACTCATGGATGTGCACCCTTTGCTCCCTGCTCTT
 TCTGCCTCTGGGCTCATGTATCTGCGCAGCTCTGGTACCCTCTGTGGGTGCCATCTCTAC
 CTCTGACACAGACTGCCTGCCTTGAAGCTGAGAAGGCACAGGGCAAGGAGCAAGGACCA
 CAGAGCCTCAGCCAGCCAGGATCCGTCCTCATTTTATTGGTGATGATGAATGGGAATGA
 AATCAGGGGGCTGTCTACTAGAGCCTGGAATAAATATGCTGCTTTGTGGATTTTTAAAAA
 AAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_004178

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:

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_004178.4](#), [NP_004169.3](#)

RefSeq Size: 1448 bp

RefSeq ORF: 1038 bp

Locus ID: 6895

UniProt ID: [Q15633](#)

Cytogenetics: 12q13.13

Domains: DSRM

Protein Families: Stem cell - Pluripotency

Gene Summary: 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]

Transcript Variant: This variant (3) lacks an internal segment in the 5' region, 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.