

Product datasheet for **RR206897**

Tarbp2 (NM_001034941) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tarbp2 (NM_001034941) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tarbp2
Synonyms: MGC124970
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206897 representing NM_001034941
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGTGAAGAGGATCAGGGCTCCGGCTCTACTACAGGCTGCGGGCTGCCAGCATAGAGCAAATGCTGG
CCGCCAACCCGGCAAGACCCCGATCAGCCTTCTTCAGGAGTATGGGACCAGAATAGGGAAGACGCCGT
GTACGACCTTCTCAAAGCCGAGGGCCAAGCCCATCAACCTAATTTACCTTCCGGGTCACGTTGGCGAC
ACCAGCTGCACTGGTCAGGGCCCAAGCAAGAAGGCAGCCAAGCACAAGGCAGCTGAGGTGGCCCTCAAAC
ACCTCAAAGGGGGAGCATGCTGGAACAGCCCTGGAGGACAGCAGTTCTTTTTCTCTCCTAGACTCTTC
AGTGCCTGAGGACTGCTGTCATTGCTGCAGAAGCTGCTGCCCTGTTCCATCTGCTTTACTAACCAGG
AGCCCTCCCATGGAGATGCAGCCCTGTCTCTCCTCAGCAGTCTGAGTGCAACCCTGTTGGTGCTCTGC
AGGAGCTGGTGGTGCAGAAAGGCTGGCGTTTGCCAGAGTACATGGTGACCCAGGAGTCTGGGCTGCTCA
CCGCAAAGAGTTCACCATGACCTGCCGGTGGAGCGTTTCATTGAGATTGGCAGTGGGACCTCCAAGAAG
CTGGCAAAGCGCAACCGCGCAGTAAGATGCTGCTTCGAGTGCACACGGTACCTGATGCCCGCGACG
GCAACGAGGCTGAACCTGATGACGATCATTTTTCCATTGGCGTGAGCTCCCGCTGGATGACTAAGGAA
CCGTGGGCCAGGCTGCACCTGGGATTCCTTACGGAATTCGTGGGAGAAAAGATCCTGTCCCTTCGCAAT
TGCTCCGTGGGCTCTCTGGGCTCTTGGGCTCTGCCTGCTGCAGCATCCTCAGTGAAGCTCTCTGCGGAGC
AGGCTTTCCATGTGAGCTATCTGGATATTGAGGAACTGAGCCTGAGTGGGCTCTGCCAGTGTCTAGTGGA
GCTGTCCACGCAGCCAGCCACTGTGTATTGTTCTGCCACTACCAGGGAGGCAGCCCGAGGTGATGCT
GCTCGCCGCGCACTACAGTACCTCAGGATCATGGCCGGTAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



ORF Size:	1095 bp
OTI Disclaimer:	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:	<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_001034941.1 , NP_001030113.1
RefSeq Size:	1495 bp
RefSeq ORF:	1098 bp
Locus ID:	363006
UniProt ID:	Q3SWU0
Cytogenetics:	7q36
MW:	38.9 kDa
Gene Summary:	Required for formation of the RNA induced silencing complex (RISC). Component of the RISC loading complex (RLC), also known as the micro-RNA (miRNA) loading complex (miRLC), which is composed of DICER1, AGO2 and TARBP2. Within the RLC/miRLC, DICER1 and TARBP2 are required to process precursor miRNAs (pre-miRNAs) to mature miRNAs and then load them onto AGO2. AGO2 bound to the mature miRNA constitutes the minimal RISC and may subsequently dissociate from DICER1 and TARBP2. May also play a role in the production of short interfering RNAs (siRNAs) from double-stranded RNA (dsRNA) by DICER1. [UniProtKB/Swiss-Prot Function]