

Product datasheet for RN206897

Tarbp2 (NM_001034941) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tarbp2 (NM_001034941) Rat Untagged Clone
Tag: Tag Free
Symbol: Tarbp2
Synonyms: MGC124970
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN206897 representing NM_001034941
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTGAAGAGGATCAGGGCTCCGGCTCTACTACAGGCTGCGGGCTGCCAGCATAGAGCAAATGCTGG
 CCGCCAACCCGGCAAGACCCCGATCAGCCTTCTTCAGGAGTATGGGACCAGAATAGGGAAGACGCCGT
 GTACGACCTTCTCAAAGCCGAGGGCCAAGCCATCAACCTAATTTACCTTCCGGGTACCGTTGGCGAC
 ACCAGCTGCACTGGTCAGGGCCCAAGCAAGAAGGCAGCCAAGCACAAGGCAGCTGAGGTGGCCCTCAAAC
 ACCTCAAAGGGGGAGCATGCTGGAACAGCCCTGGAGGACAGCAGTTCTTTTTCTCTCCTAGACTCTTC
 AGTGCCTGAGGACTGCTGTCATTGCTGCAGAAGCTGCTGCCCTGTTCCATCTGCTTTACTAACCAGG
 AGCCCTCCCATGGAGATGCAGCCCTGTCTCTCCTCAGCAGTCTGAGTGCAACCCTGTTGGTGCTCTGC
 AGGAGCTGGTGGTGCAGAAAGGCTGGCGTTTGCCAGAGTACATGGTGACCAGGAGTCTGGGCTGCTCA
 CCGCAAAGAGTTACCATGACCTGCCGGTGGAGCGTTTCATTGAGATTGGCAGTGGGACCTCCAAGAAG
 CTGGCAAAGCGCAACGCGGCAGTAAGATGCTGCTTCGAGTGCACACGGTACCTGAGTGGCCCGGACG
 GCAACGAGGCTGAACCTGATGACGATCATTTTTCCATTGGCGTGAGCTCCCGCTGGATGGACTAAGGAA
 CCGTGGGCCAGGCTGCACCTGGGATTCCTTACGGAATTCCTGGGAGAAAAGATCCTGTCCCTTCGCAAT
 TGCTCCGTGGGCTCTCTGGGCTCTTGGGCTCTGCCTGCTGCAGCATCCTCAGTGAAGCTCTCTGGGAGC
 AGGCTTTCCATGTGAGCTATCTGGATATTGAGGAAGTGAAGCTGAGTGGGCTCTGCCAGTGTCTAGTGGA
 GCTGTCCACGCAGCCAGCCACTGTGTGTTATGTTCTGCCACTACCAGGGAGGCAGCCCGAGGTGATGCT
 GCTCGCCGCGCACTACAGTACCTCAGGATCATGGCCGGTAGCAA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001034941



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Insert Size:	1098 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:	<u>NM_001034941.1, NP_001030113.1</u>
RefSeq Size:	1495 bp
RefSeq ORF:	1098 bp
Locus ID:	363006
UniProt ID:	<u>Q3SWU0</u>
Cytogenetics:	7q36
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]