

Product datasheet for **RN205645**

Tbkbp1 (NM_172021) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbkbp1 (NM_172021) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tbkbp1
Synonyms:	Prosapip2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205645 representing NM_172021
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGTCCATGTTTGAAGATGACATCAGCATCTGACCCAAGAGGCCTTGGGGCCAGTGAGGTGTGGC
 TGGATGGTCTGGAGACCGTCACTGGGAGGGGACATGTGCTCTGCCTCCCATTTTGTCTCATCACAGC
 CTATGGAGATATCAAAGAGCGGCTAGGAGGCTGGAGAGAGAGAATGCCACCCTCCGCCGTCGCCTCAAA
 GTCTATGAGATTAAGTATCCGCTGATCACCGATTTTGGAGAAGAGCATGGCTTCCCTCTGTATGAAATCA
 AGGATGGTCCCTGCTGGAGGTGGAGAAGGTCACTGTCAGCAACGGCTCAATCAGTTCCAACACGAGTT
 GCAGAAGAATAAGGAGCAGGAAGAACAGCTCGGGGAGATGATCCAGGCTTACGAGAACTGTGTGTGGAG
 AAAAGCGACCTGGAGACAGAGCTGGGGGAGATGCGAGCTCTGGTAGAGACACACCTACGGCAGATCTGTG
 GTTTGGAGAAACAGCTGCAGCAACAGCAAGGCCTCCGGGATGCAGCTTTCTCCAGCCTGAGCCCCCAGC
 GGTCCCTGCCACAGCCTGCTGACCTGGACCTGCACTATCTGGCTCTGAGAGGGGGACCTGCCTTGGGT
 CATGCAGGCTGGCTGGCCCTACCAAGTGAAGTGTGAGTGAAGTGGAGCGGAGACGCCTGGAAGAGGCC
 TGGAGGCTGCGCAGGGGGAGGCTCGGGGAGCTCAGCTCCGGGAGGAGCAACTCCAGGCAGAAATGTGAGCG
 GCTTACGGGAGAGCTGAAGCAGCTGCAGGAGACCCGGGCCAGGATCTGGCTCCAACAGTCGGAATGT
 GGCATGGCTTGGGTAAGAGAGTTGGGGACGATCAGGTGAACTTGGCACTGGCCTATACAGAACTGACCG
 AGGAGCTGGTTCGCCTTCGGGAGTTGAGTTCCTGCAGGGGAGGATCTTGGAGACTTTGTACAGGAACA
 GGCCCGCAATGCAGGCCAAAGGCACTCACCGCTGTACAACGTCCTCCCGGCCCGCGTGCCTCCCA
 CCCTCCCACCTGCCCGACCGCCGCTGTGCCCATGCCAGTCCCGCTGCACAGCGCCGTTCCGCCC
 TGCCCCGTGCCCTTACCCCAGCAGCGCCGCTCGCCCCGCTCGCCGCTCGCCGTTCCCGGTTCCCA
 CGGCCGCTCGCCGTTGCCGCTCGTGCAGTCCCGCAGTCCGCGAGCGCCGCTCGCCTGTGCCACCCAGC
 TGCCCGGCCCGCAGCCCGGCCACCGCCACCACCGGGGAGAGGACGCTGGCCGAGCGTGCCTATGCTA
 AGCCGCCAGCCACCAGCCAAGGCCGCTTCCAGGGCCGCCGAGTACTCGGAGCTAGCGAGGGGGC
 GGCTACGCTGCTGCCTCCCGCCTGGCTGCAGGCCGAGGCTGCCACGCTCCCTAAGCCCCGCGCTAT
 GCGGAGAGCTCTACGGCCCGGCGAGCCGCTCAGCCCGCGCCGAGCCTTCGAGGGCATCCGCTTGCCT
 TTGAGAAACAGCCATCGGAGGAAGAGGAGTGGCCATGCCCGCCAGCCCGCCAGTCCCGAGGCGAGCAC
 CATCCGCTGCGCCTCATTCTGTGCGGGCTTCCCATCCCAGAGTCACTGCGGCCACCGCTATGCCAC
 GCTGAGCACGACAGTCTGGCCATCCATCAATCTACTGATGGAGACGGTGGGCTCCGACATCCGAAGTT
 GCCCCCTCTGCCAGTTGGGTTTCCCTGTGGGTACCCAGATGATGCCCTCATCAAACACATTGACTCCCA
 CCTGGAGAACAGCAAGATC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_172021
- Insert Size:** 1842 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:

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_172021.2](#), [NP_742018.2](#)

RefSeq Size: 3340 bp

RefSeq ORF: 1842 bp

Locus ID: 266764

UniProt ID: [Q6DG50](#)

Cytogenetics: 10q31

Gene Summary: Adapter protein which constitutively binds TBK1 and IKKBE playing a role in antiviral innate immunity. Essential for the efficient induction of IRF-dependent transcription following infection with Sendai virus (By similarity).[UniProtKB/Swiss-Prot Function]