

Product datasheet for **MC204281**

Rfxank (NM_001025589) Mouse Untagged Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Rfxank (NM_001025589) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Rfxank |
| Synonyms: | Tvl1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC010971
 CCACGCGTCCGCCACGCGTCCGGACCCACGCGTCCGCGCGTATTAAGTTGCTGCTCTATGTCCCAGGAG
 AGGAAGCTAGAGAACTGAGCGTCTGGTCACCAACTTGCTCTTTACGAGATCTACTGAACCAGAAAAGTTT
 GTGAACAGAGCTTCTGAGTTTTGGAAGACCAAGGCTGGCAGCGTAGGGACACAGAGGAGGCTGGAGGGA
 GCTTCTCCATGGAGCCCACTCAGGTTGCAGAGAACCTTGTCCTCAAAACCAGCAACCTCCTGTTCTGACC
 TAGAGGATCCTGAGGACACCAGAGATGAGTCCCCAGAGAACTCAGACACTGTCGTCCTCAGCCTGTTCCC
 CTGCAACCCAGATGCTGTGAATCCTGAAGCAGATGCCAGTGCATCCTCACTGCAGGGAAGTTTCTGAAG
 CACTCCACAACCCCTCACAAACCGCAACGTGGAATGAGGTCTCAGCTCTGCCAGCCACCCTGGACTCCC
 TTTCTATCCACCAGCTTGACGCCAAGGGGAGCTGAGCCAACTGAAGGATCATCTGCGGAAGGAAACAA
 CCTGATCAACAAACCGGATGAGCGTGGCTTACCCCTCATCTGGGCTCAGCCTTTGGAGAAATTGAG
 ACAGTTCGCTTCTGCTAGACTGGGGTGTGACCCACATCCTGGCAAGGAGCGGGAGAGCGCACTGT
 CACTTGCCAGTATGGGTGGTACACGGACATCGTGAGGTTGTGCTTGACCGTGACGTGGATATCAACAT
 CTATGACTGGAATGGAGAACACCCTGCTCTATGCTGTGCGTGGAAACCAGTGAAGTGTGTGGAGGCC
 TTAAGTGGCCGGGTGCTGACCTCACCACAGAGGCTGACTCTGGTACACCCCAATGGATCTCGCAGTGG
 CCCTGGGATACCCAAAGTGCAACAGGTGATGGAGAGCCACATCCTCAGATTGTTCCAGAGCACCCTGGG
 GCCTGTGGACCCGAGTGAAGACAGCCTGCTGGGAACCCAGGCATCAGGACAGTCAAGCCACAACCTGG
 CTTGAAAGGCAGCTCCTGGACAGTGGTGGGAAAAGCCCTCCGCAACAGGAACCAATAAATCTGTGCAGAA
 CTTGAAGGCCCTCAGGTTGCCTCCAGGGGGGCTTCTGGAAGAATAGCCGCTTCTCACCCTGCCTTCTC
 ACCCAGCACCCGAGGTGGTAGACTACACGGCCAAAAAGTCGGTGGTGTCTCAAAAGTCAACTTC
 AGTCGGTCCACCTCCATTGTGGGGATGGAGAAGGTGTGACTTCTTGCAAGTCAAGGAAATGGTGGTTTTAT
 CTCTGACCCATCAGGCCCTACCTTCCAGTCCAGAGACCACCCGATGGGCCACTGACTAAAGGCTCTTGA
 TTCTCATACCCAGCAAGAAATCAATAGCACCTTCTCTTTTCTTTTAAATATGGGGGTCTCGGGTAA
 CCCAGGCTGGCCTCAAACTGTGTAGTTGAGGCTGACCTGAACTCCTGATCTTCTGCTGCCCTCCAGG
 GCACTAAAGCACAGAGAAGCAGTTCCTACTCCTGCGGAGGAGTCAAAGCTTTGATTCTTTTGAGACAGG
 GTCTGGTCCAAGCTGGCCTGGCATTCTGGATCCTCCTGCCACAGCCTCCCAAGTGCATTACCACTACAC
 CCAAAGACCTGAAGCTTGTAGAAAACAGATCCCTCCCACCACAAGACAGGCAGGATATCTGAAGGGCAT
 TGGTGTCTCAGGGTAGAAATCTACAATCTTGCTGAGTGCCTCCCACCCCGTGAACCTGCAATGGAGAA
 ATGGGCTAAGAATCCAGGGAACCCTGTGGATACCCACCTCTCAGCTTTCTAGTACCTTCCAGGCAGCTG
 TGGCGACTGGAGAAGCCACCCTGAACTGCACCTGCAGCTGTGTGATCTGAACACACTGGGAAACTCGA
 GTGACACCCACTGGGAGGGGCCCTGGAAGCAGAGGGATAAACTGAGGCATTGGTAACTGCAAGGTTAG
 GGCCTATGATGTTCTGTTCATCTTCTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
 CTCTGGCTGTCTGGAACCTCACTTTGTAGACCAGGCTGGCCTCCAACCTCAGAGATCCACCTGCCTCTGCC
 TCCAAGTGTGGGATTAAGGCGGTGTGCCACCACAAAAAAGGCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT

Restriction Sites: RsrII-NotI

ACCN: NM_001025589

Insert Size: 780 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: [BC010971](#), [AAH10971](#)

RefSeq Size: 2232 bp

RefSeq ORF: 780 bp

Locus ID: 19727

UniProt ID: [Q9Z205](#)

Cytogenetics: 8 B3.3

Gene Summary: Activates transcription from class II MHC promoters. Activation requires the activity of the MHC class II transactivator/CIITA. May regulate other genes in the cell. RFX binds the X1 box of MHC-II promoters (By similarity). May also potentiate the activation of RAF1 (PubMed:10329666).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate splice site in the coding region compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C-termini compared to isoform 1.