

Product datasheet for RN217534

Tyk2 (NM_001257347) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Tyk2 (NM_001257347) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Tyk2
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN217534 representing NM_001257347
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTGACAAGCATGCCTCTGTGTGGGCGGAGAGCCGCTCGGAAGACAGCAAGGCAGATGGCACAGAAG
 CTCAGCCCCCTGGTGCCACAGGACGGTTGATGGTGCTGCTGCACTGGCCCCGGCCTGAGGGCGGGAGCC
 CTGGGTACCTTCAGCCAGCCATCTGACTGCAGAGGAGATGTGCATCCACATCGCACACAAGTCGGC
 ATCACTCCACCCTGCCTGAATCTCTTCGACTCTACGATGCACAGGCCAAGGTCTGGCTGCCCCAAACC
 ACGTTCTGGACACATCCCAAGACGCAACCTGAGGCTCTATTTTCGAATGAGTTTTACTCCGGAAGT
 GCATGGCATGAATCCCCAAGAGCCTGCTGTATACCGATGTGGTTCCAGGGGCAGAGACTTCTCAGAC
 CATGCAGAGCAAGGTGTACAGCTCTGGACTCTGCCTCATTTGAATACCTTTTTGAGCAGGGAAAACATG
 AATTCATGAACGATGTGGTATCTCTGCGGGACCTGTCTAGCGAGGAAGAGATCCACCCTTTAAGAATGA
 GAGCCTGGGCATGGCCTTTCTGCACCTTGCCATCTTGCTCTCAACCGTGGCGTCCCCCTGGAGGAGATG
 GCCAGAGAGATCAGCTTCAAGAAGTGTATCCCTCACTCCTCCGTCAGCACATCCGCCAGACAATGTGC
 TTACGCGCCTGCGTCTCCGCAGAGTCTCCGCCGCTTCTGCAGGCCCTCCAGCCTGGCCACCTCTCCCA
 ACAGGTTGTGATGGTTAAGTACTTGGCCACCCTGGAGCGGCTGGCTCCTCGTTTTGGCTCAGAGCACATA
 CCTGTGTGTCATCTGGAAGTTCTGGCCAGCCTGAGAGGGACCCCTGCTACATCCAGAACAGTGGGAGCA
 CCACTGGGGACCCAGGCCAGAGCTGGCTTCTGGGCCAGCCACCCATGAGGTAAGTGGTGACAGGCACCGG
 AGGTATCCAGTGGCGTCCACTACAGACCAGGACTCTGAGAGAGGTACAGCAGAGGGAATCCCCAAGGC
 AGCCAGTCTGGGAAGAAACCCAGGCCCTGAGTCTGGAGAGCACCTGGCAGGGAGTCCCCAGGAACCCAC
 CTTGGACCTACTTCTGTGACTTCCAGGACATTTCCCATGTGGTACTAAAGGAGCGTGCAGTGCACATCCA
 CCTTCAAGACAACAAGTGCTTGTGCTGTGCCTCTGCTCCAGGCCGAGGCCCTGTCTTTGTGGCCCTG
 GTGCATGGCTATTTCCGTTGACTGTGACTCCAGCCACTACCTGTGCCATGAGGTAGCACCCCGAGGC
 TGGTACTAGCATCCAGAATGGCATCCAGGGCCCTGATGGACCCATTTGTACAGGCTAAGCTGTGGCC
 AGAGGATGGCCTTACCTGATCCAGTGGAGCACCAGCCACTGCACCGACTGATCCTCACCGTAGCCAT
 CGAAACCCGGCTTCCAGAAACGGCCCTAGGGCCCTACGCCTCCGAAAGTTCCCCATCACCCAGCAGCCTG
 GAGCCTTTGTGCTTGTGGTTGGGGCCGCTCCTTTGACAGCTTGGGGACCTTCGGCAGGCCCTGCAGGG
 CTGCTCATTGCGAGCTGGTGTGACTGTTTCCGTTGCACCACTGCTGCCTGCCCGACCAAGAGAAATC



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TCCAACCTTGTCATCATGCGGGGTCTAGGGCCACACCCGGCCACTCAACCTCAGTCAGCTTAGCTTCC
 ACAGGGTTCACCAGGATGAAATCACCCAGCTGTCCCACTTGGGCCAAGGCACAAGGACCAATGTGTATGA
 GGGCCTGCTAAGTGTGGGAGGCCCAATGAGGGCAAAGTGAGCAGTGGATGCCCTCTGGGCTGATAGG
 GGCAGTGGGCAGCAGCTTCGAGTGGTGTCAAAGTCTCGACCCTAGTCACCATGATATCGCCTTGGCCT
 TCTATGAGACTGCCAGCCTCATGAGCCAGGTGTACACATGCACCTGGCTTCTGCATGGTGTCTGCGT
 GCGTGGCTCAGAGAATATCATTGTAGCGGAATTCGTAGAGCACGGTCCCCTGGATGTGTGGTTACGGAGA
 CAGAGAGGCCGAGTGCCATGCCCTGGAAGATGGTCGTGGCTCAGCAGCTGGCCAGCGCCCTGAGTACC
 TGGAGGACAAGAATCTGGTTCACGGGAACGTATGTGGCCGGAACATCCTGCTGGCCGCCTGGGGCTGGA
 GGAGGGTACCAACCCCTTCATCAAGCTCAGTGACCCTGGCGTGGGCCAAGGCGCCCTCTCCAGGGAAGAG
 CGGGTGGAGCGAATCCCCTGGACAGCTCCGGAGTGCCTGTCCGGAGGGGCCAACAGCTTGGGCACTGCCA
 CGGACATGTGGGGCTTGGTGCCACCCTCCTTGAGATCTGTTTTGATGGAGAGGCACCTCTCAGGGGCCG
 TGGTCCCTCCGAGAAAGAACGGTCTACACAAAGAAACATCAGCTGCCAGAGCCCTATGCCCGGAGCTG
 GCCACACTCACCCGTAGTGCCTGAGCTATGAACCCGCACAGAGGCCATCGTTCCGACCATTTTGGCGG
 ACCTCACAAGACTGCAGCCACAGAATCTAGTGGGAACTTCGACTGTGAACCTGGACTCACCAGCATCGGA
 CCCACCGTTTTTACAAGCGTTACTTAAAAGGATCCGGGATTTGGGTGAGGGTCACTTTGGCAAGGTC
 AGCCTGTACTGCTATGACCCGAACAATGACGGCACTGGCGAGATGGTGGCTGTGAAAGCCCTGAAGGAGG
 GATGTGGTCCCGAGTCCGCTCAGGCTGGCAGCGGGAGATCGAAATCCTTCGGACGCTGTACCACGAGCA
 CATTGTCAAGTACAAAGGCTGCTGTGAAGACCAAGGGGAGAAGTCTGTACAGCTGGTTCATGGAATACGTC
 CCTCTGGGCGACCTCCGAGACTACCTGCCAAGGCACAGCGTGGGGCTGGCTCAGCTCCTGTTGTTTGCC
 AGCAGATCTGCGAGGGCATGGCTTACCTGCACGCTCAGCACTACATTCACCGAGACCTCGCTGCGCGAAA
 CGTGCTGCTGGACAACGACCGGCTGGTCAAGATTGGAGACTTTGGCCTAGCCAAGGCTGTACCTGAAGGC
 CACGAGTACTACCGAGTGCAGGAGGACGGGACAGCCAGTATTCTGGTATGCCCAAGTGCCTAAAGG
 AGTGAAGTTTTACTATGCATCTGATGTCTGGTCTTGGGGTGGACCTTTATGAGCTGTTGACATACTG
 TGACTTAGCCAGAGTCCCCCAGGAAATTCATCGAGCTCATCGGCGTAACCCAGGGCCAGATGACTGTG
 CTGAGGCTCACAGAGTCTGGAGCGAGGGGAGAGGCTGCCGCGCCTGACAGATGTCCCTGTGAGATCT
 ATCACCTCATGAAGAAGTCTGGGAGTCAAGGGCTCCTTCCGGCCACGTTCCAGAATCTTGTGCCAT
 CCTAAGACAGCACAGGAGAAGTACCAAGGCCAGGTGCCTTCAGTGTTACAGCGTGTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001257347
- Insert Size:** 3561 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001257347.1](#), [NP_001244276.1](#)

RefSeq Size: 4535 bp

RefSeq ORF: 3561 bp

Locus ID: 100361294

Cytogenetics: 8q13