

Product datasheet for MR211764

Tyk2 (NM_018793) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tyk2 (NM_018793) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tyk2
Synonyms:	JTK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211764 representing NM_018793 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC

ATGGTGGGGACCATGCCTCTGTGTGGGCGGAGAGCCATCTTGAAGACAGCAAGGCAGATGGCACAGAAGCTCAGCCCTGGTGCCACAGGATGCTTGTGGTCTACTGCATTGGCCTGGGCTGAGGGCGGGAGCCCTGGGTACCTTCAGCCAGACATCTCTGACTGCAGAGGAGGTCTGCATCCACATCGCACAAAAGTCGGCATCACTCCACCCTGCTTGAATCTCTTCGACTCTACAATGCACAGGCTAAGGTCTGGCTGCCCCAAACATATTCTGGATACATCCCAAGACATGAACCTCTATTTTGAATGAGGTTTTACTTCCGGAAGTGGCATGGCATGAATCCCCAGGAGCCAGCTGTATACCGGTGTGGTTTTCCAGGGCAGAGACTTCCTCAGACCGGCA GAGCAAGGTGTACAGCTCTTGGACTCTGCCTCGTTTGAATACCTTTTTGAGCAGGAAAGCATGAGTTCA TGAACGATGTGGTGTCTCTGCGGGACCTGTCTAGCGAGGAGGAGATCCACCACTTTAAGAATGAGAGCTT AGGCATGGCCTTCTGCACCTGTGTACCTTGCTCTCAGCCGAGGCGTCCCCCTGGAGGAGATGGCCAGA GAGATCAGCTTCAAGAACTGCATCCCTCATTCTTCCGACAGCACATCCGGCAGCACAATGTGCTCACAC GCCTGCGGCTCCACAGAGTCTTCCGCGCTTCTGCGGGCCTTCCGGCCTGGCCACCTCTCCAGCAGGT TGTGATGGTGAAGTACTTGGCTACCCTGGAGCGGCTGGCTCCGCGCTTTGGCTCAGAGCGCATACCTGTG TGTCACTGGAGGTCCTGGCACAGCCCGAGAGGGACCCCTGCTACATCCAGAAGTGGGAGAGCCGCTG GGGATCCAGGCCAGAGCTGCCTTCCGGGCTCCACCCACGAGGTAAGTGGTGGTACAGGCACCGGAGGTAT CCAAGTGGCATCCGCTGCAGACCCAGGAATCTGAGAGAGGTAACAGCAGAGGGAATCCCCACGGCAGCCGG TCGGGGAAGAAGCCAAAGCCCCAAGGCTGGAGAGCACCTGACAGAGAGCCCTCAGGAACCACTTGGACCTACTTCTGTGACTTCCAGGACATTTCCACGTGGTGTAAAGGAGCGTCGCGTGCACATCCACCTCCA AGACAACAAGTGTCTTGTGCTGTGCCTCTGTTCCAGGCTGAGGCCCTGTCTTTGTGGCCCTGGTTCGAT GGCTATTTCCGCTTGGACTGCTGACTCCAGCCACTATCTGTCCATGAGGTGGCACCCTGGAGGCTGGTGA CTAGCATCCAGAACGGCATCCATGGGCCCTGATGGATCCGTTTGTACAGGCCAAGCTGTGGCCAGAGGA CGGCCTACCTGATTGAGTGGAGCACCAGCCACTGCACCGCTGATCCTTACCGTGGCCATCGAAAC



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CCGGCTTTCAGTAATGGCCCTCGGGCCTGCGCCTGCGAAAGTCCCCATCACACAGCAGCCTGGAGCCT
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 TACTACCGAGTGCAGGAGGACGGGGACAGCCAGTGTCTGGTATGCCCCAGAATGCCTGAAGGAGTGCA
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Protein Sequence: >MR211764 representing NM_018793
 Red=Cloning site Green=Tags(s)

MVGTMPLCGRRRAILEDKADGTEAQPLVPTGCLMVLLHWPPEGGEPWVTF SQTSLTAAEEVCIHIAHKVG
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 EQGVQLLDSASFEYLFEQKHEFMNDVVSRLDLSSEEEIHHFKNESLGM AFLHLCHLALSRGVPLEEMAR
 EISFKNCIPHSFRQHIRQHNVLTRLRLHRVFRFLRAF RPGHLSQQVVMVKYLATLERLAPRFGSERIPV
 CHLEVL AQPERDPCYIQNSGQTAGDPGPELPSGPPTHEVLVTGGIQWHPLQTQESERGN SRGNPHGSR
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 GQQLRVVLKVLDP SHHDIALAFYETASLMSQVSHMHLAFLHGVCVRGSENIIVTEFVEHGPLDVWLRQR
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 ERIPWTAPECLSGGTSSLGTATDMWFGATLLEICFDGEAPLQGRGPSEKERFYTKKHQLPEPSSPELAT
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 GSLRDYLRHCVGLAQLLLFAQQICEGMAYLHAQHYIHRDLAARNVLLDNDRLVKIGDFGLAKAVPEGHE
 YYRVREDGDSVPFWYAPECLKECKFYASDVWSFGVTL YELLTYCDSNQSPHMKFTELIGHTQGMVTLR
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9009_a10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

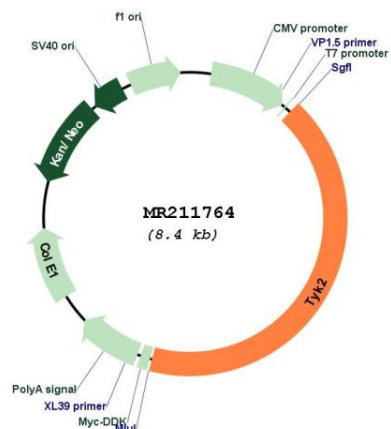


ACCN: NM_018793

ORF Size: 3552 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_018793.2 , NP_061263.2
RefSeq Size:	4822 bp
RefSeq ORF:	3555 bp
Locus ID:	54721
UniProt ID:	Q9R117
Cytogenetics:	9 A3
MW:	133.8 kDa
Gene Summary:	Involved in intracellular signal transduction by amplifying type I and type II IFN signaling. Phosphorylates the interferon-alpha/beta receptor alpha chain. Plays an essential role in promoting selective immune responses, including innate host defense mechanisms and specific antiviral activities.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211764