

Product datasheet for **MG224164**

Jrk (NM_008415) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jrk (NM_008415) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Jrk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG224164 representing NM_008415
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTCCAAGCAGGCTGCAGCCAAGGGCAAGGGGAGAAGCGGAAGCGAGTGGTGCTAACCCGAAGG
 AAAAGATTGACATCTGCACCCGGCTGGAGCGTGGGGAGAGTAGGAAGGCTCTGATGCAGGAGTATAATGT
 GGGCATGTCTACTCTGTATGACATCAAAGCCACAAGGCCAGCTCCTCAGGTTCTTCGCCAGCTCAGAC
 TCTCGGCAGGCGCTGGAACAGCGACGTACCCTGCACACCCCAAAGCTGGAGCACCTGGACCGGGTCTCT
 ATGAGTGGTTCCTGGTAAAGCGCGCTGAGGGCATCCCTGTGTGCGGCCCTATGCTCATCGAAAAGGCCAA
 GGACTTCTACAAGCAGATGCGGCTGACAGAGCCCTGTGTGTTCTCTGGAGGGTGGCTTTGGCGCTTCAAG
 GCCAGGCATGGCATTAAAAAGCTGGATGCCTCCAGCGAGAAGCAGGCGGCTGACCACCAAGCTGCTGAGC
 AGTTCTGTGGCTTTTTCAGGAGCCTTGCAGCGGAGCACGGGCTGTCTCCAGAGCAGGTGTACAGCGCTGA
 TGAGACTGGTCTTGTCTGGCGGTCTTGCCAAATTCTGCCCCAGATGATGGGACTGTGCCCACTTCAAA
 CAGGGCAAGGACAGGCTGACTGTCTTGTATGTGCGCTAATGCCACAGGCTCCCACAGAATCAAGCCTTTGG
 CCATTGGGAAGGGTGGCGGCCCCAGAGCCTTCAGAGGCATCCAGCACCTGCCTATTGCTTACAAGGCCCA
 GGGTAATGCCTGGGTAGACAAGGAGATTTTCTCAGACTGGTTCATCATATTTTTGTCCCCTCGGTGAGA
 GAGCACTTTAGAACCATAGGCTTACCAGAAGACAGCAAGGCAATTCTCTTGTGGACATTCCCGGGCCC
 ACTCACAGGAGTCTGAGCTAGTGTGACAGAAAGCTTCCACCATCTTCTGCCCTCCAGCGTGACCTCCTT
 ACTGCAGCCACAGAACAAGGCATTTCGAGAGCCTTCAAGAGGCTCTTTATTAACCCTCCCGTGGCCTTC
 CAGGGCTTCCCCACCCGCCACAACATAAATGACGCCATAGTCAACGTGGCCCGTGCCTGGAATGCTGTGC
 CTAGCCAGGTCTTCCAGCGGGCCTGGAGGAAACTGTGGCCACTGTCACGTTCACTGAAGCTCCTCCTC
 TGAGGAGGAAGCAGAGTGTGTGCCATCAAGCCTCACAAGACGTTTCGCACACATCCTTGGGCTTGTAAAA
 GAAGGGCCAACCTGTTCTGGCAGCAGGCTTCCAGGACAGCAGGTTGAAGAGCGGGTGTGGCAGGGAGGG
 ACATAGATGAGGCCCTGCCATTGTGGCACCATCCAGGCCACTAGGTGTACAAAAAGTCAAGAGAAAGA
 TACCGGTGAGACTGAGGAGGCAGCCTGGGAGCAGGCAGCCACATCCTTTGAGGCACTTGTGCGCTTGTGA
 GAGCGGCAGCCGTGTTTCAGCGTGAAGAGATGGGCGAGCTGCAGGCACTGCACACGGTGTTCAGGAGAC
 AGCAGCAGCTGAGGCAGCCCGTGTGGCTCTCAGGGCTGTGATCAAACCTGAGGCCCTTCAGGAGCACCC
 TGGGGTGTGTGGCCACAACCCACCCTACCTTGCTTCTTCCACTGCAGGTGACAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG224164 representing NM_008415
 Red=Cloning site Green=Tags(s)

MASKQAAAKGKGEKRKRVVLTLEKIDICTRLERGESRKALMQEYNVGMSTLYDIKAHKAQLLRFASDD
 SRQALEQRRTLHTPKLEHLDRVLYEWFVKRAEGIPVSGPMLIEKAKDFYKQMRLEPCVFSGGWLWRFK
 ARHGIIKLDASSEKQAADHQAAEQFCGFFRSLAAEHGLSPEQVYSADEGLVWRCLPNSAPDDGTVPHFK
 QGKDRLTVLMCANATGSHRIKPLAIGKGGPRAFRGIQHLPYAYKAQGNWVDKEIFSDWFHIFVPSVR
 EHFRTIGLPEDSKAIIILLDHSRAHSQESELVSENVFTIFLPSSVTSLLQPTQGIIRRAFMRFLINPPVAF
 QGFPTRHNINDAIVNVARAWNAVPSQVFQRAWRKLWPTVTFTEGSSSEEEAECCAIPKPKTFAHILGLVK
 EGPTCSGSRQLQDSRVEERVVAGRDIDEAPAIVAPSQATRCKKSEKDTGETEEAAWEQAATSFEALVRFA
 ERQPCFSVQEMQLQALHTVFRQQQLRQPRVALRAVIKLEALQEHPGVCVATHTPTLPCSSTAGDN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_008415

ORF Size: 1671 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:

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_008415.6](#), [NP_032441.4](#)

RefSeq Size: 3378 bp

RefSeq ORF: 1674 bp

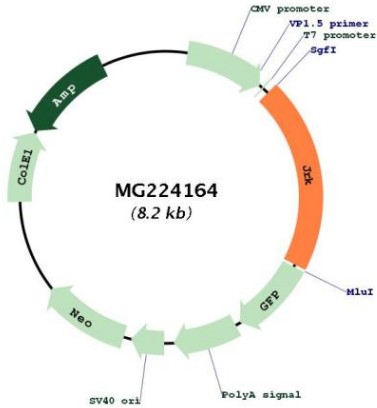
Locus ID: 16469

UniProt ID: [Q60976](#)

Cytogenetics: 15 34.26 cM

Gene Summary: May bind DNA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG224164