

Product datasheet for **RR207688**

Foxk1 (NM_001037219) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxk1 (NM_001037219) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxk1
Synonyms:	RGD1309643
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR207688 representing NM_001037219
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGAAGTCGGCGAGGACAGCGGCCCGCCCTGCTGGCGCTGCGCTCGGCTCCCTGCAGCCCCG
 TGCTATGTGCCGGGCCCGGCCCGCCCTTCCGGCCACAGCGTCCCCGCCCGCCCGGCCGCAACCTCC
 GCCCGGGCCCGCCCGCTGCCCGCGTGGCGGGCCCCAGCCGGTGCCTCCACCGCCGCACTGCCACC
 GCCACCGCGCCCGCCCTGGTGGCCGCGCGCTGCCTCCGTGCGCCAGAGCCCGGGCCGGCTCTGGCGC
 GCCTGGAGGGTCGGGAGTTCGAGTTTCTGATGCGGCAGCCAGCGTCACCATCGGCCGCAATTCGTCTCA
 GGGCTCGTGGACCTGAACATGGCCTGTCGAGCTTCATTTCCCGGCCACCTGCAGCTCAGCTTCCAG
 GAGCCTCACTTCTATCTTCGCTGTCTCGGAAGAACGGCGTCTTCGTGGACGGGGCTTCCAGAGGGCGG
 GAGCGCCCGCCCTGCAGCTGCCCAACAATGCACCTTCCGGTTCGGAGCACGGCCATCAAGATCCAGTT
 CACATCCCTGTACCATAAGGAGGAGGCCCAAGCATCCCCCTGCGGCCACTTACCCGCAGATCTCCCCA
 CTGAAGATCCACATTCCGGAGCCGGATCTCCGGAGCCTTGTAGCCCCATCCCTTCCCTACCGGCCA
 TCAGTGTCCCAACTCCTGTCCAGCAAGTCTCGAGGGGCTGGTTCGTCAGTTACCGCTTCGTCAGAA
 TGTGACCTCTGACCTTACGCTGGCCGAGAGTTCGCCGGAAGGCAGCCTCCGAGCAGCAGGCAGACAG
 TCTGGTGGGGACAGCCCCAAGGACGAGTCGAAGCCACCGTACTCCTATGCACAGCTGATCGTGAAGCCA
 TCTCTCGGCCAGGACAGGCAGCTAACCTAAGTGGCATCTACGCCACATCACCAACATTACCTTA
 CTACAGGACTGCCGACAAGGGCTGGCAGAACTCTATCCGACACAACCTCTCTTAAACCGCTACTTCATC
 AAAGTCCCTCGGTCCCAGGAGGACCTGGGAAGGGCTCCTTTGGCGAATAGACCCTGCCAAGGCCA
 AGCTCGTGGAACAAGCGTTCGAAAGCGGAGGCAGAGAGGCGTCTCCTGCTTCCGACCCCTTTGGGCC
 TCTGTCTCACGGAGTGCTCCAGCTTCAACCACCCACCTGGACTGATGTCCCTCGTTCAGTGGCCTG
 CAGACCCAGAGTGCTGTCTCGAGAGGGCTCCCCATTCCACATGATCCCGACTTGGGGTCAAAGTTAG
 CCTCTGTTCCAGAGTACCGCTATCCCAGAGTGGCCAGGCTCCCTGTGAGCGCCAGCCGGTATTAT
 GGCTGTCCCTCCCGACCTTCCAACCTAGTGGCTAAGCCTGTTGCCTACATGCCAGCTTCCATAGTGACC
 TCACAGCAGCCCTCAGGCCACGCCATCCACGTGGTCCAGCAGGCTCCACCGTACCATGGTGGGGTGG
 TTACCACCTCTGCCAACTCAGCCAACGGGTACATCCTGGCGAGCCAGGGCTCGACCGCGACCTCCCACGA
 CACCGCAGGCACAGCCGTGCTGGACCTGGGCAATGAGGCTAGAGTTTGAAGAGAAGCCCACCATAGCA
 TTTGCCACAATCCCTGCAGCTAGCCGAGTTATCCAGACGGTCCGACCCAGATGGCCCCAGGAGTCCCTG
 GACACACAGTCACCATCCTTCCAGCCGGTACACCAGTGACTATCGGGCAGCACCCTTCCAGTCCGGGC
 TGTCACTCAGAATGGGAAGCATGCTGTACCCACGAATAACTTGACTGGCAATGCTTATGCCCTCACCAGC
 CCCTTGCAGCTCCTGGCAGCCAGGCGAGTTTATCCACGCCAGTGGTTCATCACCCGGGTGTGCGAGGTAG
 GGCTGAGGAGCCAACAGCAGCCGTCTCCGTGGCAGCTAGTGTGCGCCGACCCAGCCATCTCCACTAC
 CACATCTGCCTCTTCCAGCGGGAGCCCGAGCTCAAGAGGTCCCGGTAGAGGAGCCAGTGGGACAGCC
 ACCACACAGCCCACAGCTATGGCAGCCACCGCCCTCAGGGCCAGGGACCGGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR207688 representing NM_001037219
 Red=Cloning site Green=Tags(s)

MAEVGEDSGARALLALRSAPCSPVLCAAAAAAFPATASPPPPAQPPPGPPALPAVPGPEVPVSTAATAT
 ATAPALVAAAAA SVRQSPGPALARLEGREFEFLMRQPSVTIGRNSSQGSVDLNMGLSSFISRRLQLSFQ
 EPHFYLRCLGKNGVFDGAFQRRGAPALQLPQQCTFRFPSTAIIKIQFTSLYHKKEAPASPLRPLYPQISP
 LKIHIPEDLRSLVSPISPSTGTISVPNSCPASPRGAGSSSYRFVQNVTSDLQLAAEFAAKAASEQQADT
 SGGDSPKDESKPPYSYQLIVQAISSAQDRQLTLSGIYAHITKHYPPYRTADKGWQNSIRHNLNLNRYFI
 KVPRSQEPEGKGSFWRIDPASEAKLVEQAFRRQRQGVSCFRTPFGPLSSRSAPASPTHPLMSPRSSGL
 QTPECLSREGSPIPHDPDLGSKLASVPEYRYSQSAPGSPVSAQPVIMAVPPRPSNLVAKPVAYMPASIVT
 SQQPSGHAIHVVQQAPTVMVRVTTSSANSANGYILASQGSTATSHDTAGTAVLDLGNARGLEEKPTIA
 FATIPAASRVIQTVASQMAPGVPHTVTILQPATPVTIGQHLLPVRAVTQNGKHAVPTNLTGNAYALTS
 PLQLLAAQASSSTPVVITRVCEVGPEEPTAAVSVAAASAAPTPAISTTTSSASSGPELKRSRVEEPSGTA
 TTQPTAMAATGPQPGTGE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001037219

ORF Size: 2157 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_001037219.2](#), [NP_001032296.2](#)

RefSeq Size: 2487 bp

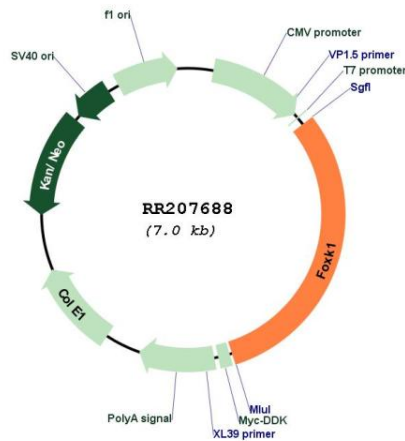
RefSeq ORF: 2160 bp

Locus ID: 304298

Cytogenetics: 12q11

MW: 75.1 kDa

Product images:



Circular map for RR207688