

Product datasheet for **RR206805**

Foxk2 (NM_001107075) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxk2 (NM_001107075) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxk2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206805 representing NM_001107075 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCCACTCATCAGCCCCCTCCCTCCCCACGGAACTATCAGTGCTGCAAACCTCTGCCATCCA
GCCCCGGGGAGCAGGGTCTTCAGGGTACAAAATGGGCCGTGTGATACCATCTGACCTCAATTTAATGGC
TGACAATTCACAGCCAGAAAATGAAAAGGAAGCTTCAGGTGGAGATAGCCCAAAGGATGACTCAAACCA
CCTTACTCCTATGCACAGTTGATAGTACAAGCAATTACAATGGCTCCTGATAAACAACTTACCCTAAATG
GGATCTACACACACATCACTAAGAACTATCCATACTACAGGACTGCGGACAAGGGCTGGCAGAATTCAAT
CCGCCACAATCTCTCTGAACCGTTATTTTCATCAAAGTGCCACGTTCCAGGAAGAACCAGGCAAAGGC
TCCTTCTGGAGGATAGATCCTGCCTCCGAGAGCAAGCTGGTAGAGCAGGCTTTTAGGAAAAGACGGCCTA
GGGGCGTGCTTGGCTTTAGAACCCCTGGGACCACTCTCCTCTAGGAGTGCCCCAGCTTCTCCAACCA
TGCTGGAGTGCTGTGCTCACTCCAGTGGCGCCAGACCCCGAGAGCCTGTGAGGGAAGGCTCCCCA
GCCCCCTTGGAGCCTGAGCCCGGTGCCTCACAGCCAACTTGTGTATCCAGGAGGCGAGGTTTGCCC
AGAGTGCACCAGGTCACCTCTCTAGTCAGCCCGTCTTAATTACTGTCCAGCGGCAGCTACCCCGGC
CATTAAAGCCTGTACCTATACTGTTGCAACCCAGTGACCACACCACCTCTCAGCCACCGTCTGTCAG
ACGGTACATGTTGTCCATCAGATACCAGAGTGGCGGTCAACCAGCGTGGCTGGACTGGCCCCAGCAAACA
CATAACAGTTGCTGGACAAGCTGTGGTCACTCAGGCTGCGGTGTGGCTCCTAAGACTGAACCACAAGA
GAATGGCGACCACAGAGAAGTCAGAGCAGTGGCAAGTCTCTCCATATGTTGGCCACCCATGCATCAGCA
TCGGCATCCCTGCCACAAAGCGCCAGAATGGTGACCAGGAGAGCAGCCAGAGCTCAAGAGAGTTAAAG
CAGAAGATGGGGAGAGCATTGTGCTTGCCTGAGTGTGGATGCACCACCAGCAGCTGTGAGAGAAAAGGC
GATCCAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206805 representing NM_001107075
 Red=Cloning site Green=Tags(s)

MAHLISPLPSTGTISAANSPSSPRGAGSSGYKMGRVIPSDLNLMADNSQPENEKEASGGDSPKDDSKP
 PYSYAQLIVQAITMAPDKQLTLNGIYTHITKNYPYRTADKGWQNSIRHNLNRYFIKVPRSQEPEGKG
 SFWRIDPASESKLVEQAFRRRRPRGVPCFRTPLGPLSSRSAPASPNHAGVLSAHSSGAQTPELSREGSP
 APLEPEPGASQPKLAVIQEARFAQSAPGSPLSSQPVLITVQRQLPPAIKPVITYTVATPVTTPTSQPPVVQ
 TVHVHVIQIPAVAVTSVAGLAPANTYTVAGQAVVTAQAVLAPKTEPQENGDRHREVRVASPLHMLATHASA
 SASLPTKRQNGDQAEQPELKRVKAEDEGSIVIALSVDAPPAAVREKAIQN

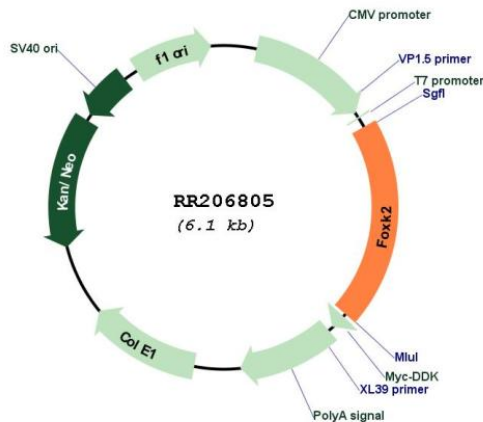
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107075

ORF Size:	1200 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_001107075.1 , NP_001100545.1
RefSeq Size:	4359 bp
RefSeq ORF:	1203 bp
Locus ID:	303753
Cytogenetics:	10q32.3
MW:	42.4 kDa