

Product datasheet for **RN217044**

Foxo1 (NM_001191846) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxo1 (NM_001191846) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Foxo1
Synonyms:	Fkhr; Foxo1a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217044 representing NM_001191846
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGAAGCGCCTCAGGTGGTGGAGACCGACCCGACTTCGAGCCGCTGCCTCGGCAGCGCTCCTGCA
 CCTGGCCGCTGCCAGGCCGGAGTTAAACCAGTCCAACCTCGACCACCTCCAGCCCGGCCGCTCGGGCAG
 CACGGCCGCCAACCCCGACGCCACGGCAGCCTGGCCTCGGCGTCCGCTGTCAGCACCGACTTTATGAGC
 AACCTGAGCCTGCTAGAAGAGAGCGAGGACTTCGCGCGGGCACCAGGGTTGCGTGGCCGTGGCGGCCGAG
 CTGCCGCCAGTAGGGCCTGTGCGGGGACTTCAGGGCCCGAGGCGGGTGCCTGCACTCGGCGCCGCC
 GCAGCCCCACCGACCGGGCCGCTGTCGAGCCCCACCGGTGCCTCCAGCCGCCGGGGCCACTCGCT
 GGGCAGCCGCGCAAGACCAGTTCGTGCGCCGCAACGCGTGGGGCAACCTGTCGTACGCCGACCTCATCA
 CCAAGGCCATCGAGAGCTCGGCGGAGAAGAGGCTCACCTGTGCGAGATCTACGAGTGGATGGTGAAGAG
 TGTGCCCTACTCAAGGATAAGGGCGACAGCAACAGCTCGGCGGGCTGGAAGAATTCAATTCGCCACAAT
 CTGTCCCTACACAGCAAGTTTATTCGAGTACAGAATGAAGGAACCTGGGAAAAGTTCTTGGTGGATGCTCA
 ATCCAGAGGGAGGCAAGAGTGGGAAATCACCCGGAGAAGAGCTGCATCCATGGACAACAACAGTAAATT
 TGCTAAGAGCCGAGGACGGGCTGCTAAGAAAAAGCATCTCTCCAGTCCGGGCAAGAGGGTCTGGAGAT
 AGCCCTGGGTCTCAGTTTTCTAAATGGCCTGCAAGCCCTGGTCCCACAGCAATGATGACTTTGATAACT
 GGAGTACATTTTCGTCCTCGAACCAGCTCAAACGCTAGCACCATCAGTGGGAGACTTTCTCCCATCATGAC
 AGAGCAGGATGACCTGGGGATGGGGATGTGCATTCCTGGTGTATCCACCCTGCTGCCAAGATGGCG
 TCTACACTGCCAGTCTGTCTGAAATCAGCAATCCAGAAAACATGGAGAACCTTCTGGATAATCTCAATC
 TTCTCTCATCCCAACATCTTTAACTGTGTCAACCCAGTCTCGCCTGGCAGCATGATGCAGCAGACACC
 TTGCTATTCAATTTGCACCGCCAAACACCAGTCTAAATTCACCCAGCCCAACTACGCAAAGTACACGTAC
 GGCCAATCCAGCATGAGCCCTGTGCCCCAGATGCCTATGCAGACACTTCAGGACAGCAAATCAAGTTATG
 GAGGATTGAACCAAGTATAACTGTGCCCCAGGACTCTTGAAGAGTTGCTGACTTCTGACTCTCTCCCCA
 CAATGATATTATGTCACCAGTCGATCCTGGAGTGGCTCAACCCAAACAGTCGGGTCTGGGCCAAAATGTA
 CTGATGGGCCCTAACTCAGTCATGCCAGCCTATGGCAGCCAGGCACCTCATAACAAAATGATGAACCCCA
 GTTCCCACACCCACCCTGGACATGCACAGCAAACCTTCTCAGTCAATGGCCGTGCCCTGCCCATGTGGT
 GAACACCATGCCTCACACATCTGCCATGAACCGCTTGACCCAGTGAAGACACCTTTACAAGTGCCTCTG
 TCCACCCCATGCAGATGAGTGCCTGGGCAACTACTCCTCTGTGAGCAGCTGCAATGGCTATGGTAGGA
 TGGGTGTCCTCCACCAGGAGAAGCTCCCAAGTACTGGATGGCATGTTTATTGAGCGCTTGGACTGTGA
 CATGGAGTCCATCATTGGAACGACCTCATGGACGGAGATACCTTGGATTTTAACTTTGATAATGTGTTG
 CCCAACCAAAGCTTCCCGCACAGTGTCAAGACTACAACACACAGCTGGGTGTCAGGC**TAG**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001191846

Insert Size: 1950 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:	<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:	<u>NM_001191846.2, NP_001178775.1</u>
RefSeq Size:	2560 bp
RefSeq ORF:	1950 bp
Locus ID:	84482
UniProt ID:	<u>G3V7R4</u>
Cytogenetics:	2q26
Gene Summary:	mediates effects of insulin on glucose-6-phosphatase gene expression [RGD, Feb 2006]