

Product datasheet for **RR207960**

Foxe1 (NM_138909) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxe1 (NM_138909) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxe1
Synonyms:	Ttf-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR207960 representing NM_138909 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGCCGAGAGCGCGCCGCCCCCGCCGACGCCGAGGCGCTGGCGGCCGTGAAGGAAGAGCGCG
GTGAGGCGGGCGGGCGCGGGGTCCCGCGGAGGTGGCGGTCGCGGCCCGGAGGACGGCGACGCAA
GCGCCCCCTGCAGCGGGGAAGCCGCCGTACAGCTACATCGACTCATCGGATGGCTATCGCGCACGCG
CCCGAGCGCCGCTGACTCTGGCGGCATCTACAAGTTCATCACCGAGCGCTTCCGTTCTACCGGACA
ACCCCAAGAAGTGGCAGAACAGCATCCGCCACAACCTCACCTCAACGACTGCTTCTCAAGATCCCGCG
CGAGGCGGGCCGCCGGCAAGGCAACTACTGGGCGCTCGACCCCAACGCCGAGGACATGTTGAGAGC
GGCAGTTCCTGCGCCGGCGCAAGCGCTTCAAGCGCTCGGACCTGTCCACCTACCCGGCGTACATGCATG
ATGCAGCCGCTGCTGCCGCCGCCGCCGCCCATCTTCCCGGTGCCGTGCCGCGAGGCCGGC
CTACCCGGGAGCCGTCTATGCGGGTACGCGCCCGCTCGCCGACCCCGCGGTCTACTACCCCGCA
GCGTCGCCCGGGCCCTGCCGGTCTTGGCTTGGTCCCGAGCGGCCGCTCAGCCCGGATCTGGGCCCG
CACCATCAGCAGCCGGAGTTCGTGCGCTTCGCGGCTGCGCGGGCGCGCCGGGCACAGGGAGCTTCA
GCCCGGTATGCACGGGCGCGGGCCGGTCAACCCGGTGCCTATGCCGCTGCCTACCGGGCCCGGAC
GGCGGTACCCGCAAGGGGCGAGCAGCGCTCTTCGCCGCTGCTGCGGGCCGCTGGCCGACCACTT
CGCCACCGCGGGAGGAGGAGCAGCGCGGCGTGGAGGCCACGGTGGACTTCTACGGGCGCACGTCTCCTGG
CCAGTTCGGAGCGCGCTGGGGCCCTGCTATAATCCAGTGGGCAACTCGGAGCCGGTGGTGGAGGTGCC
TATCACTCCCGCCACGCCACCGCTACCCGGGCGCGGTGGATCGGTTCTGTCTGCCATG

ACCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RR207960 representing NM_138909
Red=Cloning site Green=Tags(s)

MTAESAPPPPPQPEALAAVKEERGEAAAAGAGVPAEVAGRAGRRRRRPLQRGKPPYSYIALIAMAIAHA
 PERRLTLGGIYKFITERFPFYRDNPKKWQNSIRHNLTLNDCFLKIPREAGRPGKGNWALDPNAEDMFES
 GSFLRRRKRFRSDLSTYPAYMHDAAAAAAAAAAIFPGAVPAARPAYPGAVYAGYAPPLAAPPPVYYP
 ASPGPCRVFGLVPERPLSPDLGPAPSAAGGSCAFAAAAGAPGTGSFQPAVCTGARPVNPAAYAAAAYAGPD
 GAYPQGASSALFAAAAGRLAGPTSPTAGGGSGGVEATVDFYGRTPSPGQFGAALGPCYNPSGQLGAGGGGA
 YHSRHATAYPGAVDRFVSAM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_138909

ORF Size: 1110 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_138909.1](#), [NP_620264.1](#)

RefSeq Size: 2807 bp

RefSeq ORF: 1113 bp

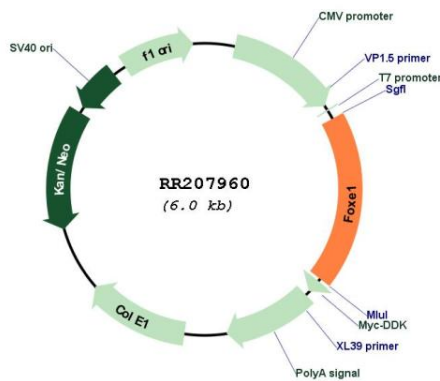
Locus ID: 192274

Cytogenetics: 5q22

MW: 37.8 kDa

Gene Summary: transcription factor responsible for the development of a negative controller of thyroid-specific gene expression [RGD, Feb 2006]

Product images:



Circular map for RR207960