

Product datasheet for **SC125998**

FOXQ1 (NM_033260) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXQ1 (NM_033260) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOXQ1
Synonyms:	HFH1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_033260 edited
CTCAACGTCGAACCGAAGGCGACACCCACCCAACCTCCTCCCTCTCCGCCCATAGTCCAC
CCAACACTTATAGCCCTCCAAAGAAAAAGCCAGCGGAAGAGGACTCCGGAAAAGTGAC
TATCTCGGAAGACCAGGGTAGAGCTCCCGGGAGAAAAAGGCGAAGATCCCGGCCCGGA
TCGCCATCCCCTTCCCTGGCACCAGCTTCTTAGGCTGCGCGAAGGAAGAGGGTACGACG
CGGGGACAAAGCAGGGCAGTGACCTGGAGGCGCGGGCGGCAGCGACGCGCCGTCCCCTG
GTCGGCGCGGGAGACGACTCCCTGGGCTCAGATGGGGACTGCGCGGCAACAGCCCGGC
CGCGGGCGGGCGGCAGAGATCCGCGGGCGACGGCGAACAGAGTGCGGGAGGCGGGCC
GGGCGCGGAGGAGGCGATCCCGGCAGCAGCTGCTGCAGCGGTGGTGGCGAGGGCGCGGA
GGCCGGGGCGGGGGCCAGGCGCGGGCGCGGGGAGCGGCGAGGGTGCACGCAGCAA
GCCATATACGCGGGGCCAAGCCCCCTACTCGTACATCGCGCTCATCGCCATGGCCAT
CCGCGACTCGGCGGGCGGGCGCTTGACGCTGGCGGAGATCAACGAGTACCTCATGGCAA
GTTCCCTTTTTCCGCGCAGCTACACGGGCTGGCGCAACTCCGTGCGCCACAACCTTTC
GCTCAACGACTGTTTCGTAAGTGCTGCGCGACCCCTCGCGGCCCTGGGCAAGGACAA
CTACTGGATGCTCAACCCCAACAGCGAGTACACCTTCGCCGACGGGGTCTCCGCCCGCC
CCGCAAGCGCCTCAGCCACCGCGCGCCGGTCCCGCGCCCGGGCTGCGGCCCGAGAGGC
CCCGGGCTCCCGCGCGCCCGCGCCCGCGCCCGCCCGCCCGCCCGCCCGCCCGCCCGCC
CTCGCCCGCCCGCAGGAGGAGCGCGCCAGCCCGCGGGCAAGTTCTCCAGCTCCTTCGC
CATCGACAGCATCTGCGCAAGCCCTCCCGCAGCCGCGCCTCAGGGACACGGCCCCCGG
GACGACGCTTCAGTGGGGCGCGCGCCCTGCCCGCCGCTGCCCGGTTCCCGCGCTCCT
CCCCGCGGCCCTGCAGGGCCCTGCTGCCGCTCTGCGGTACGGCGGGGCGAGCCGGC
CGGGTGGGGCGCGCGAGGCGGAGGTGCCACCGACCGCGCCCGCCCTCCTGCTTGCAAC
TCTCCCGCGGGCCCGCCGCAAGCCACTCCGAGGCCCGCGGGCGCGGGCGCGCACCT
GTAAGTCCCGCTGCGGCTGCCCGCAGCCCTGCAGGCGGCCTCAGTCCGCCCGCCCTGGCC
GCACCTGCCGTACCCGTGGAGACGCTCCTAGCCTGAGTAGCGCCGCGGGGCCCGGGAAC
GCCGAGTGCAGCGCGTCCGGGAGGCGGGAACGCGGGCCCGCGCGCGGACTTTGCACTTTG
AATCCAGAGGAAGATGAATTTTTAAATCTCCATCAAACGTGCCTTAAAGCTAAAGCATT
TTGACAGGAGTATTTAACTTAGTCCAGGATATTTTCTTTGTGTTTTATAACTTTACAG
AGGACCAAAGCAATTCTGTTTTAGTTTTCTTTGCGAAGCCTGCTCCTCCTCCCTCATA
AGGACTTTTTTTGCTTTCTTTAACGCCAGGCTTCGTCTTATTTCTACTGTTTTTGCG
CAACTTCCATTGATTTATGTCCTTCCCTCCCGCCCTAAGTACATCAGGGAACCTTTCCAC
ACTATAAATGATATGACTACTGTTTGGGTTTTCTGGGCCCCCATCCGTGTACGTATGTGG
CATTTCAGGTATGACTGAGTGTGAGAGACATGTCAGAGGCTCTTCAGTGATTTCTTGCT
ATTGACCGATGCTTCACTGTGCCAAAAGAGAAAAAATGTTGGGTTTTGTAATTAAT
ATTTATATATTTTTGAAACCCGAATTGAAAATGTTGCAGGCAACGGGCTACAGCTTATT
AGTGGTTCTCTAACTGTGGTCTCCTTGGGCAAGCAATTTCTTTAAAGGAAAAGTTGATT
ATGTATGTGGGGTCCAGGACCACTGCCTTGAAGCAAGTGTGATTTTTATTTTTAATAT
TATTTTATTTGTGCTGTGTACATATTCATGTATAAATTTTATGAAACCAAGCATAGTG
CTATTTTTTAATAAAACAACTGACTTAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_033260 unedited GGGTTGCGTTTTGTNATACGACTTTCTATAGGGGGCCGCGTATTCAGATCTGGTACCGG TCCGGAATTCCTGGGATATCGTCGACCCACGCGTCCGCTCAACGTCGAACCGAAGGCGAC ACCCACCAACTCCTCCTCCTCCGCCCATAGTCCACCAACTTATAGCCCCTCCAAA GAAAAAGCCCAGCGGAAGAGGACTCCGGAAAAGTACTATCTCGGAAGACCAGGGTAGAG CTCCCGGGAGAAAAAGGCGAAGATCCCCGGCCCCGGATCGCCATCCCCTTCCCTGGCACC AGCTTCTCTAGGCTGCGCGAAGGAAGGGTACGACGCCGGGGAGGGACTGGGTGCGCGG GCATGAAGTTGGAGGTGTTTCGTCCCTCGCGCGGCCACGGGGACAAGCAGGGCAGTGACC TGGAGGGCGCGGGCGGCAGCGACGCGCCGTCCCCGCTGTCGGCGCGGGAGACGACTCCC TGGGCTCAGATGGGGACTGCGCGCCAACAGCCCGGCCGCGGGCGGCGCCAGAGATC CGCCGGGCGACGGCGAACAGAGTGCAGGAGGGCGGCCCGCGCGGAGGAGGCGATCCCGG GAGCAGCTGCTGCAACGGGGGTGGCGGAGGGCGCCGGAGGCCGGCGCCGGGCCATGCG CGGGCGGGCTGGGAGCGGGGAGGATGCACGCCGAAGCGCTAAACGCGGAGGGCCAAA GCCCCCGTGTGGGACTTCGCGGCCGTCGACCGGGGCCGTGCCCGCGTCTGGGTGGCG GGCGCGTTGAGCCGTGCGGTGGGGTGACCGGGCTCCCTCGAGGGGAGAGTGCCTCGTT GTTGTCGGGGCTGGTCCGCGGTGGGTGGGGCGCGGTCTAGTCGATATCTCGCGCGGGC TCAAGGCCGGGTTCCGGCGCGGGTCCGCGCGGGCGCGCCTGCAGTGGCGGGNGCGGGT GGTGCCCCGTGG
Restriction Sites:	Please inquire
ACCN:	NM_033260
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).
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_033260.2 , NP_150285.2
RefSeq Size:	2322 bp
RefSeq ORF:	1212 bp
Locus ID:	94234
UniProt ID:	Q9C009
Cytogenetics:	6p25.3
Protein Families:	Transcription Factors

Gene Summary:

FOXQ1 is a member of the FOX gene family, which is characterized by a conserved 110-amino acid DNA-binding motif called the forkhead or winged helix domain. FOX genes are involved in embryonic development, cell cycle regulation, tissue-specific gene expression, cell signaling, and tumorigenesis (Bieller et al., 2001 [PubMed 11747606]).[supplied by OMIM, May 2009]