

Product datasheet for **SC108256**

FOXA1 (NM_004496) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXA1 (NM_004496) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOXA1
Synonyms:	HNF3A; TCF3A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: NCBI ORF sequence for NM_004496, the custom clone sequence may differ by one or more nucleotides

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GAATTCGGCACGAGGGTGGCGTTGGGCCCGCGCGGGCGCTCGGGTGACTGCAGCTGCTCA
GCTCCCCCCCCCGCCCGCCGCGCGCCCGCCCGTTCGCTTCGCACAGGGCTGGATGGT
TGTATTGGGCAGGGTGGCTCCAGGATGTTAGGAACTGTGAAGATGGAAGGGCATGAAACC
AGCGACTGGAACAGCTACTACGCAGACACGCAGGAGGCCTACTCCTCCGTCGCCGTCAGC
AACATGAACTCAGGCCTGGGCTCCATGAACTCCATGAACACCTACATGACCATGAACACC
ATGACTACGAGCGCAACATGACCCCGGCGTCTTCAACATGTCTATGCCAACCCGGGC
CTAGGGGCGCGCCTGAGTCCCGGCGAGTAACCGGCATGCCGGGGGCTCGGCGGGCGCC
ATGAACAGCATGACTGCGGCCGGCGTGACGGCCATGGGTACGGCGCTGAGCCGAGCGGC
ATGGGCGCCATGGGTGCGCAGCAGGCGGCTCCATGAATGGCCTGGGCCCTACGCGGCC
GCCATGAACCCGTGCATGAGCCCATGGCGTACGCGCCGTCCAACCTGGGCCGACGCCG
GCGGGCGCGGCGGCGACGCCAAGACGTTCAAGCGCAGTACCCGCACGCCAAGCCGCC
TACTCGTACATCTCGCTCATCCATGGCCATCCAGCAGGCGCCAGCAAGATGCTCAG
CTGAGCGAGATCTACCAGTGGATCATGGACCTTCCCCATTACCGGCAGAACCAGCAG
CGCTGGCAGAACTCCATCCGCCACTCGCTGTCTTCAATGACTGCTTCGTCAAGGTGGCA
CGCTCCCCGACAAAGCCGGCAAGGGCTCTACTGGACGCTGCACCCGGACTCCGGCAAC
ATGTTTCGAGAACGGCTGCTACTTTCGCCGCCAGAACGCTTCAAGTGCAGAAAGCAGCCG
GGGGCCGGCGGGGGGGGAGCGGAAGCGGGGGCAGCGGCCCAAGGGCGGCCCTGAG
AGCCGCAAGGACCCCTCTGGCGCCTTAACCCAGCGCCGACTCGCCCTCCATCGGGGT
GTGCACGGGAAGACCGGCCAGCTAGAGGGCGCGCCGGCCCCGGGGCCCGCCAGCCCC
CAGACTCTGGACCACAGTGGGGCGACGGCGACAGGGGGCGCCTCGGAGTTGAAGACTCCA
GCCTCTCAACTGCGCCCCCATAAGCTCCGGGCCGGGGCGCTGGCCTCTGTGCCCGCC
TCTCACCCGGCACACGGCTTGGCACCCACGAGTCCAGCTGCACCTGAAAGGGGACCCC
CACTACTCCTTCAACCACCCGTTCTCCATCAACAACCTCATGTCTCCTCGGAGCAGCAG
CATAAGCTGGACTTCAAGGCATACGAACAGGCACTGCAATACTCGCCTTACGGCTCTACG
TTGCCCGCCAGCCTGCCTTAGGCAGCGCCTCGGTGACCACCAGGAGCCCATCGAGCCC
TCAGCCCTGGAGCCGGCGTACTACCAAGGTGTGTATTCCAGACCCGTCCTAAACACTTCC
TAGCTCCCGGGACTGGGGGTTTGTCTGGCATAGCCATGCTGGTAGCAAGAGAGAAAAAA
TCAACAGCAAACAAAACACACAAACCAAAACCGTCAACAGCATAATAAAATCCCAACAAC
TATTTTTATTTTATTTTTCATGCACAACCTTTCCCCAGTGCAAAAGACTGTTACTTTAT
TATTGTATTCAAATTCATTGTGTATATTACTACAAAGACAACCCCAAACCAATTTTTTT
CCTGCGAAGTTTAAATGATCCACAAGTGTATATATGAAATTCCTCCTCCTTGGCCCCC
TCTCTTTCTTCCCTTTTCCCCTCCAGACATTCTAGTTTGTGGAGGGTATTTAAAAAAA
CAAAAAGGA
    
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004496 unedited GTGCAGAAATTTGTATACGACTCACTATAGGGCGGCCGCGNAATTCGCACGAGGGTGGC GTTGGGCCCGCGCGGGCGCTCGGGTGACTGCAGCTGCTCAGCTCCCCTCCCCGCCCCG GCCGCGCGGCCCGCCGTCGCTTCGCACAGGGCTGGATGGTTGTATTGGGCAGGGTGGCTC CAGGATGTTAGGAACTGTGAAGATGGAAGGGCATGAAACCAGCGACTGGAACAGCTACTA CGCAGACACGCAGGAGGCCTACTCCTCCGTCGCCAACATGAACTCAGGCCTGGG CTCCATGAACTCCATGAACACCTACATGACCATGAACACCATGACTACGAGCGGCAACAT GACCCCGGCGTCCCTTCAACATGTCTATGCCAACC CGGGCTAGGGGCGGCCTGAGTCC CGGCGCAGTAACCGGCATGCCGGGGGGCTCGGCGGGCGCCATGAACAGCATGACTGCGGC CGGCGTGACGGCCATGGGTACGGCGCTGAGCCCGAGCGGCATGGGCGCCATGGGTGCGCA GCAGGGCGGCTCCATGAATGGCCTGGGCCCTACGCGGCCGCATGAACCCGTGCATGAG CCCCATGGCGTACGCGCCGTCCAAACCTGTGCCGACCGCGCGGGCGGGCGGCGGACGC CAAGACGTTCAAGCGCAGCTACCCGCACGCCAAGCCCGCCCTACTCGTACATCTTGCTCA TCACCATGGCCATCCAGCAGGCGCCAGCAAGATGCTCACGCTGAGCCAGATCTTACAGT GGATCATGGACCTCTTTCCCTATTACCCGCCGAACCAGCATCGCTGGCAGAACTCCATCC CCACTCGCTGTCTTTAATGACTGCGTCCAGGTGGCACCCCTCCCCGACAAGCCGGG CCAAGGCTCCTACTGGACCCCTGACCCGCTCCG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004496 unedited GGCCGATTCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTAAACATTTGATTTATTTAAA GTCCTTAACTGCAATGATCAAGAACATTTTCCACGGCTTAAAACTGGTATTATTTTTG TTATTTAAATCAAATATTTTTAATTACAATCACATTGATAAAAAATTAACAATTTAATTT GTAATTTTAAACATCATTAAAGCAATTTAGCTGTAAGAAAAAGAATAAACCATGCAA TAAATTAACATTGAGAAAGCAAAGAGAAATAATAATGAAACCCGCTGGGTATACTAACA CCATGTCCAACCTGTGAAAGTGCATAA CACTGGATGAAACAAGCACAGATGGCAATGAT TAAATGGCCACTATCAATAGGATTTTTGAATCTTGGACCAGTTTTTGAATCCAGCTCC CTATAACTTATCTCTCTCCAACATTGTAATATCCCTTTTACTGAAAAAAAAATCTTT AAATGGTATACACTCATAGAAACTAATTTTATGTGTTATGTGACCTCAGAATGACATGAC CATGGCACTCTGCAAAGCAAGAAGCAGAGTTCTTGAGGGCAATTCCTGAGGAATTGATTC CCACGGCCATCTGTGGGTAGAGAGGACAAAGGGGTTGGGGGCTTGTAACTTCGCCAAG CAACTCTTGAGAATGATCATGGATTACCTATTTTTACCTCTAATGGTATGTAATAACG GAGGATGGCTCCCATTTGACCATGTGCCTATTAAGCCCCTAACATATCCCTGTTTTCCAT TTAAGACCCGTGGTCTCCCATGCCTCGAAAGGAACTGGGAACAATGGCTCCCAAGTTC TAAAGNGAAGGGCGGGCATATACACCACATGGGCTCACTACCTTACAGCCCTAAGTGA ACACGCCCTCAGCTCCAATCCCTTGGTAAACCCTGCGTCGCGGTACCGGGGGCGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_004496
Insert Size:	1419 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).
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_004496.2 , NP_004487.2
RefSeq Size:	3124 bp
RefSeq ORF:	1419 bp
Locus ID:	3169
UniProt ID:	P55317
Cytogenetics:	14q21.1
Domains:	FH
Protein Families:	ES Cell Differentiation/IPS, Transcription Factors
Gene Summary:	This gene encodes a member of the forkhead class of DNA-binding proteins. These hepatocyte nuclear factors are transcriptional activators for liver-specific transcripts such as albumin and transthyretin, and they also interact with chromatin. Similar family members in mice have roles in the regulation of metabolism and in the differentiation of the pancreas and liver. [provided by RefSeq, Jul 2008]