

Product datasheet for **SC122681**

FOXA3 (NM_004497) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXA3 (NM_004497) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOXA3
Synonyms:	FKHH3; HNF3G; TCF3G
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF:

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>OriGene sequence for NM_004497 edited
GGAGCCCGGGGGCGAGGGCGGGGGTGTCCCGGTATAAAGCGTGGCCGCCTCCCGCG
GCGCTCGGGACAGCCGTACCCCGGGCGGTGGACGGGGCGGGCGCCGGTGGGAGCTCGGGC
CGTGCCCGCTGAGAGATCCAGAGCGCTCCGTTCCCGGGGGCGGAGCGGGGGCGGGTGG
GGGCGTAAGCCCGGGGATGCTGGGCTCAGTGAAGATGGAGGCCATGACCTGGCCGAGT
GGAGCTACTACCCGGAGGCGGGCGAGGTCTACTCGCCGGTGACCCAGTGCCACCATGG
CCCCCTCAACTCTACATGACCTGAATCCTTAAGCTCTCCCTATCCCCCTGGGGGGC
TCCTTGCCTCCCCACTGCCCTCAGGACCCCTGGCACCCCAAGCACCTGCAGCCCCCTGG
GGCCACTTTCAGGCCTGGGTGTCAGCGGTGGCAGCAGCAGCTCCGGGTACGGGGCCC
CGGGTCTGGGCTGGTGCACGGGAAGGAGATGCCGAAGGGGTATCGGCGGCCCTGGCAC
ACGCCAAGCCACCGTATTCTATATCTCACTCATCACCATGGCCATCCAGCAGGCGCCGG
GCAAGATGCTGACCTTGAGTGAATCTACCAGTGGATCATGGACCTTTCCTTACTACC
GGGAGAATCAGCAGCGCTGGCAGAACTCCATTGCCACTCGTGTCTTTCAAGACTGCT
TCGTCAAGGTGGCGCTTCCCAGACAAGCCTGGCAAGGGCTCCTACTGGGCCCTACACC
CCAGCTCAGGGAACATGTTTGAGAATGGCTGCTACCTGCGCCGCCAGAAACGCTTCAAGC
TGGAGGAGAAGGTGAAAAAAGGGGGCAGCGGGGTGCCACCACCACAGGAACGGGACAG
GGTCTGTGCTCGACCACCACCCCGGGCCACAGTCACTCCCGCCCCAGCCCCCGC
CTCCAGCCCTGAGCCTGAGGCCAGGGCGGGGAAGATGTGGGGCTCTGGACTGTGGCT
CACCCGCTTCTCCACACCCTATTTCACTGGCCTGGAGCTCCCAGGGGAGCTGAAGCTGG
ACGCGCCCTACAACCTCAACCACCCTTTCTCCATCAACAACCTAATGTCAGAACAGACAC
CAGCACCTCCAAACTGGACGTGGGGTTTGGGGGCTACGGGGCTGAAGGTGGGGAGCCTG
GAGTCTACTACCAGGGCCTCTATTCCCGCTCTTTGCTTAATGCATCCTAGCAGGGTTGG
GAACATGGTGGTGGTATGGCTGGAGCTCACACCACGAAGCTCTTGGGGCCTGATCCTTC
TGGTGACACTTCACTTGTCCATTGGTTAACATCTGGGTGGTCTATTACTTACTGTGAT
GACTGCTGTCTCAGTGGGCATGGTGTGATCCACGGGGTACTGTGATAACCACCATGGAT
ACATTTTGGTGGCCACTGGGACTGTGAGGACTGCTACATTGATGGATGTTATTGGCTA
ATCCACTGCATGGTTTGGTGGCCACCATCTCGGTTGGCCCTTTGGGTGTGATGGTGATAG
CATTTTCAGTGACATCTTCTTTGGCCCCCCCCATTAGGTGCTGTGCCACTTCTTTTTTGG
TGTACTTGGCACAGTAGGTGCCAAGTTGGCCACCATTCTGTGAACACCTTTTTTTGGCCC
ATTGGGTGCTTTGATGGACATCATACTGGGTAGGTGACAACGTGAGTGGCCACCATGTG
CCATGATGGCTGCTGCAGCCCCGTGTTGGCCATGTCGTCACCATTCTCTCTGGCATGGT
TGGGTAGGGGATGGAGGTGAGAATACTCCTTGGTTTTCTCTGAAGCCACCCTTTCCCCC
AACTCTGGTCCAGGAGAAACCAGAAAAGGCTGGTTAGGGTGTGGGGAATTTCTACTGAAG
TCTGATTTTCCCGGGAAGCGGGTACTGGCTGTGTTAATCATTAAAGGTACCGTGTC
CGCCTCTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004497 unedited GGGGCTGGGTTTTGTATACNCTTTTATAGGCGGCCGCGNATTCGCCGGATATCGTCGACC CACGCGTCCGGGAGCCCGGGCGGGCGAGGGCGGGGTGTCCCGGCTATAAAGCGTGGCC GCCTCCCGCGGCGCTCGGGACAGCCGTACCCCGGGCGGTCCGACGGGCGGGCGCCGGTGG GAGCTCGGGCCGTGCCCGCTGAGAGATCCAGAGCGCTCCGTTCCCGGGGCGGAGCGG GGGCGGGTGGGGCGTAAGCCCGGGGATGCTGGGCTCAGTGAAGATGGAGGCCATGAC CTGGCCGAGTGGAGCTACTACCCGGAGGGCGGCGAGGTCTACTCGCCGGTGACCCAGTG CCCACCATGGCCCCCTCAACTCCTACATGACCCTGAATCCTCTAAGCTCTCCCTATCCC CCTGGGGGCTCCCTGCCTCCCCACTGCCCTCAGGACCCCTGGCACCCAGCACCTGCA GCCCCCTGGGGCCACTTTCCAGGCCTGGGTGTGAGCGGTGGCAGCAGCAGCTCCGGG TACGGGGCCCCGGTCTGGGCTGGTGCACGGGAAGGAGATGCCGAAGGGGTATCGGCGG CCCCTGGCACACGCCAAGCCACCGTATTCTATATCTCACTCATCACCATGGCCATCCAG CAGGCGCCGGCAAGATGCTGACCTTGAGTGAATCTACCAGTGGATCATGGACCTTTC CCTTACTACCGGAGAATCAGCAGCGCTGGCAGAATCCATTGCCACTCGCTGTCTTTC AACGACTGCTTCGTCAAGGTGGCGGTTCCCCAGACAAGCTGGCAAGGGCTTCTACTGG GCCTACACCCAGCTCAGGAACATGTTTGAGAATGGCTGCTACCTGCGCCGCCAGAAACG CTTTCAGCTGA
Restriction Sites:	Please inquire
ACCN:	NM_004497
Insert Size:	2046 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
RefSeq:	NM_004497.2 , NP_004488.2
RefSeq Size:	2046 bp
RefSeq ORF:	1053 bp
Locus ID:	3171
UniProt ID:	P55318 , A0A024R0R3
Protein Families:	ES Cell Differentiation/IPS, Transcription Factors
Protein Pathways:	Maturity onset diabetes of the young

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. The crystal structure of a similar protein in rat has been resolved. [provided by RefSeq, Jul 2008]