

Product datasheet for **SC126215**

FOXL2 (NM_023067) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXL2 (NM_023067) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOXL2
Synonyms:	BPES; BPES1; PFRK; PINTO; POF3
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_023067 edited
ATCAGAACAGAGCGAGGCTCCTGGCGCACTAGGGACTCCAGGAGGCAGCTCCGCCAGAGA
CGCGGGTCTGTGCTTCGGGAAACCGGGGGCGGGGGAGGGGAAGAGCGCAGAAAAGAAA
CCCACCAAGGCGGGGACTGGCCTGAGCGGGGAGGGGCGGGCAGGCGGAGCCCCTCTCTG
TTGGGCGGACTCCCCATGGCCAGAGGCTGAGCTCCACTCCCGCGGCCGCTCCCTAGGGG
AAGGGGAAGGAGAGGGGAGAGCAGCGACAGGCTCCAGCAAGCAAGCGCGGGCGGCATCC
CGAGTCTCCAGAAGTTTGAGACTTGGCCGTAAGCGGACTCGTGGCCCAACTCTTTGCC
GCGCCAGCGCTGGAGCGGAGAGCAGAGCGGCCCGGCCGCGCGCGCCGGCTTTGTCAT
GATGGCCAGCTACCCGAGCCGAGGACGCGGGGGGCGCTGCTGGCCCCAGAGACCGG
TCGCACAGTCAAGGAGCCAGAAGGGCCGCGCCGAGCCAGGCAAGGGCGGTGGGGTGG
CGGCGGGACAGCCCCGAGAAGCCGGACCCGGCGCAGAAGCCCCGTA CTCTGACGTGGC
GCTCATCGCCATGGCGATCCGCGAGAGCGGAGAAGAGGCTCACGCTGTCCGCATCTA
CCAGTACATCATCGGAAGTTCCCGTTCTACGAGAAGAATAAGAAGGGCTGGCAAATAG
CATCCGCCACAACCTCAGCCTCAACGAGTGCTTTCATCAAGGTGCCGCGCAGGGCGGGG
CGAGCGCAAGGGCAACTACTGGACGCTGGACCCGGCCTGCGAAGACATGTTGAGAAGGG
CAACTACCGCGCGCCCGCCGCATGAAGAGGCCCTTCGGCCCGCCCGCCGCGCACTTCCA
GCCCGGCAAGGGGCTCTTCGGGGCCGGAGGCGCCGAGGCGGGTGCAGGCTGGCGGGCGC
CGGGGCCGACGGCTACGGCTACCTGGCGCCCCCAAGTACCTGCAGTCTGGCTTCTCAA
CAACTCGTGGCCGCTACCGCAGCCTCCCTACCCATGCCCTATGCCTCTGCCAGATGGC
GGCAGCCGCGAGCGGCTGCAGCAGCTGCGGCTGCAGCCGCGGGCCCCGGTAGCCCTGGCGC
GGCCGCTGTGGTCAAGGGGCTGGCGGGCCCGCCGCGCTCGTACGGGCCGTACACACGCGT
GCAGAGCATGGCCTGCCCGCGCGTAGTGAAGTCTGTAACAATGGCCTGGGAGGCCCGCC
GGCCGCAACCCCGCTCCGCGCACCCCAACCCGCATCCGACGACACCATCTGCACGC
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GCTCAGCCCTGCCAGCCAGCCACCGCCGCGCCCGGGCCCGCGCCACCAGTGCGCC
GGGCTGCAGTTCGTTGTGCCCGCAGCCGAGCTCGCCATGATGCATTGCTCTTACTG
GGACCACGACAGCAAGACCGGCGGCTGCATTGCGCCTCGATCTCTGAGAGCCACCGC
ATGCCGGTGCAGACGGATGCGAGGATGCAGGGACGCGGACGCCGCCCCGGTCCGAGCC
GACGACCGCGCCGCGCAGCCTGACCTCACACCCTCTGGGCCGCTCTGGAGCCAGCGCC
AGGGTCCCTCTGTGCTTTTTTCGTTTTCTAAGCTCCTGTGCTCCTCTTTGTCCCTCAG
TTTATGTCTCCTGTGCTCACCTCCCTGACCTCTGTGACCTTGCACTCCCCTGGCCTGAA
GCTGCCTCTCTGCGCGCTTTCTACTGGGCTCGTCTTTCCGGAGCCCCAGCGTCTCCTG
CCCAAATTCACCGCGAAAGGGCCCGGGGCGGAGGTGCGACCGGGCGTCCGCAGCGCAGA
CCTCTTGGCCTTCTCTCACAGGTCGGTGCCTCGCTCTCCGCGTTCGCCGCCGACTGCC
GTGCAGTCCATGGCTAGACGCGCCGGACAGGACTGATGGCGGGACCGCGCTGCCCGAGAA
AGGGACGGACCAATACGTGTGTTTGGTCCGCGAACCCCTTTGAAGCTGTTCAGAAGCCGC
TTGCCCGGGGCCACTAGGCGGGGCGGGGTTGGGACCCAGCGGGAGCCGGGGCAGCCT
GGCTCCACGGCCTGTACTCGGTTTACACCGCGGGCGGGCGGGAGGGAGGCTGCGTTTTCC
TCCGCTATCAGTCCCCTCGCTTCGGGCACCTCCGGGCCCGCGCGCTGGCTAATGTTTTG
TTTGAAAGATCGGTGAACTTTTTAAGAGAGATTTTAAAAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_023067 unedited CCCC GCCGTTTCGGATTTTGTAAACGACTTACTATAGGGCGGACCGCGAATTCGCACGAG GATCAGAACAGAGCGAGGCTCCTGGCGCACTAGGGACTCCAGGAGGCAGCTCCGCCAGAG ACGCGGGTCTGTGCTTCGGGAAACCGGGGGCGGGGGAGGGGAAGAGCGCAGAAAAGAAA ACCCACCAAGGCGGGGACTGGCCTGAGCGGGGAGGGCGGCGAGGCCGGAGCCCCCTCTCT GTTGGGCGGACTCCCCATGGCCAGAGGCTGAGCTCCACTCCCGCCGGCCGCTCCCTAGGG GAAGGGGAAGGAGGGGAGAGCAGCAGCGCAGGCTCCAGCAAGCAAGCGCGGGCGGCATC CGCAGTCTCCAGAAGTTTGAGACTTGGCCGTAAGCGGACTCGTGCGCCCAACTCTTTGC CGCGCCAGCGCCTGGAGCGGAGAGCAGAGCGGCCCGGCCGCGCGCGCCGGCTTTGTCA TGATGGCCAGCTACCCGAGCCCGAGGACGCGCGGGGGCCCTGCTGGCCCCAGAGACCG GTCGCACAGTCAAGGAGCCAGAAGGGCCCGCCGAGCCAGGCAAGGGCGGTGGGGTG GCGGCGGACAGCCCGGAGAAGCCGACCCGGCGCAGAAGCCCCGTA CTCTGTACGTGG CGCTCATCGCCATGGCGATCCGCGAGAGCGGGAAGATGCTCACGCTGTCCGGCATCT ACCAGTACATCATCGGAAGTTTCCGTTCTACGAGAAGATAAGAAGGGCTGGCAAATAG CATTTCGCACAACTTAGCCTCAACGAGTGCTTCAAGGTGCCGCGGAGGGCCGCGG CCAACGCAGGGGA ACTACTTGGACGCTGGACCCGCGCTGCGAAACATGGT</p>
Restriction Sites:	Please inquire
ACCN:	NM_023067
OTI Disclaimer:	<p>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.</p> <p>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</p>
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_023067.2 , NP_075555.1
RefSeq Size:	2744 bp
RefSeq ORF:	1131 bp
Locus ID:	668

UniProt ID: [P58012](#)

Cytogenetics: 3q22.3

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene encodes a forkhead transcription factor. The protein contains a fork-head DNA-binding domain and may play a role in ovarian development and function. Expansion of a polyalanine repeat region and other mutations in this gene are a cause of blepharophimosis syndrome and premature ovarian failure 3. [provided by RefSeq, Jul 2016]