

Product datasheet for **SC303502**

POU4F2 (NM_004575) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POU4F2 (NM_004575) Human Untagged Clone
Tag:	Tag Free
Symbol:	POU4F2
Synonyms:	Brn-3b; BRN3.2; BRN3B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004575, the custom clone sequence may differ by one or more nucleotides

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ATGATGATGATGTCCCTGAACAGCAAGCAGGCGTTTAGCATGCCGCACGGCGGCAGCCTGCACGTGGAGC  
CCAAGTACTCGGCACTGCACAGCACCTCGCCGGGCTCCTCGGCTCCCATCGCGCCCTCGGCCAGCTCCCC  
CAGCAGCTCGAGCAACGCTGGTGGTGGCGGGCGGGCGGGCGGGCGGGCGGGCGGGCGGGCGGGAGGCCGAAGC  
AGCAGCTCCAGCAGCAGTGGCAGCAGCGGGCGGGGGCTCGGAGGCTATGCGGAGAGCCTGTCTTCCAA  
CCCCACCGAGCAATATATTCGGCGGGCTGGATGAGAGTCTGCTGGCCCGCGCGAGGCTCTGGCAGCCGT  
GGACATCGTCTCCAGAGCAAGAGCCACCACCACCATCCACCCACCACAGCCCTTCAAACCGGACGCC  
ACCTACCACACTATGAATACCATCCCGTGACGTCGGCCGCTCTTCTTCATCGGTGCCATCTCGCACC  
CTTCCGCGTTGGCGGGCAGCACCACCACCACCACCATCACCACCACCACCACCAACCGCACCAGGC  
GCTGGAGGGCGAGCTGCTGGAGCACCTGAGTCCCAGGCTGGCCCTGGGCGCTATGGCGGGCCCCGACGGC  
GCTGTGGTGTCCACGCCGGCTCACGCGCCGCACATGGCCACCATGAACCCATGCACCAAGCAGCGCTCA  
GCATGGCCACCGCGCACGGGCTGCCGTCGCACATGGGCTGCATGAGCGACGTGGACGCCGACCCGCGGGA  
CCTGGAGGCATTCGCGGAGCGCTTCAAGCAGCGACGCATCAAGCTGGGGGTGACCCAGGCAGATGTGGGC  
TCCGCGCTGGCCAACCTCAAGATCCCAGGCGTGGGCTCGCTTAGCCAGAGCACCATCTGCAGGTTTCGAGT  
CCCTCACACTGTCCACAATAATATGATCGCGCTCAAACCCATCTGCAGGCATGGCTCGAGGAGGCCGA  
GAAGTCCCACCGGAGAAGCTCACCAAGCCTGAAGCTTCAATGGCGCGGAGAAGAAGCGCAAGCGCACG  
TCCATCGCTGCGCCAGAGAAGCGCTCGCTCGAAGCCTACTTTGCCATTACGCCTCGGCCCTCCTCTGAAA  
AGATCGCCGCATCGCGGAGAAGCTGGACCTGAAGAAAAACGTGGTGGCGCTCTGGTTCTGCAACCAGAG  
GCAGAAACAGAAAAGAATGAAATATTCCCGCGCATTAG
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Restriction Sites: Please inquire
ACCN: NM_004575



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Insert Size:	1200 bp
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>
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_004575.1 , NP_004566.1
RefSeq Size:	3110 bp
RefSeq ORF:	1233 bp
Locus ID:	5458
UniProt ID:	Q12837
Cytogenetics:	4q31.22
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene is a member of the POU-domain transcription factor family and may be involved in maintaining visual system neurons in the retina. The level of the encoded protein is also elevated in a majority of breast cancers, resulting in accelerated tumor growth. [provided by RefSeq, Sep 2011]