

Product datasheet for **SC118471**

POU6F1 (NM_002702) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POU6F1 (NM_002702) Human Untagged Clone
Tag:	Tag Free
Symbol:	POU6F1
Synonyms:	BRN5; MPOU; TCFB1
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002702, the custom clone sequence may differ by one or more nucleotides

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ATGCCAGGGATCAGCAGTCAGATCCTCACCAATGCTCAGGGACAGGTTATTGGAACCCCTCCATGGGTAG
TGAACTCAGCTAGTGTGGCGGCCCCAGCACCCAGCCAAAGCCTGCAGGTCCAGGCCGTGACCCCCAGCT
GTTGTTGAACGCCAGGGCCAGGTGATTGCGACCCTGGCTAGCAGCCCCCTGCCTCCACCTGTGGCTGTC
CGGAAGCCAAGCACACCTGAGTCCCCTGCTAAGAGTGAGGTGCAGCCCATCCAGCCACACCAACCGTGC
CCCAGCCTGCTGTGGTCATTGCCAGCCCAGCTCCAGCCGCAAGCCATCTGCCTCTGCTCCTATCCCAAT
TACCTGCTCAGAGACCCCAACCGTCAGCCAGTTGGTGTCCAAGCCACATACTCCAAGTCTGGATGAGGAT
GGGATCAACTTAGAAGAGATCCGGGAGTTTGCCAAGAAGTTAAGATCCGGCGGCTCTCGCTGGGCCTTA
CACAGACCCAGGTGGGTGAGGCTCTGACTGCAACGGAAGTCCAGCCTACAGCCAGTCAGCCATCTGCCG
GTTGCGAGAAGCTAGACATCACACCCAAGAGTGCCAGAAAGCTAAAGCCGGTGTGGAAAAGTGGCTAAAC
GAAGCTGAACTGCGGAACCAGGAAGGCCAGCAGAACTGATGGAGTTTGTGGGAGGCGAGCCCTCCAAGA
AACGCAAACGCCGCACCTCCTTCAACCCCCAGGCCATAGAGGCTCTCAATGCCTATTTTGAGAAGAACCC
ACTGCCACAGGCCAGGAGATCACTGAAATTGCTAAGGAGCTCACTACGACCGTGAGGTAGTGCGGGTC
TGGTTCTGCAATCGGCGCCAGACGCTCAAGAACCAGCAAGCTGAACGTCTTTCAGATCCCTTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002702 unedited
 GTAATCACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCAGACCACACCTGCC
 ATCCTCCCGCAGCCCACTGCTGCCACCGCTGCTGCCCTACCCCCAAGCCAGTGGACACC
 CCCCCACAGATCACCGTCCAGCCTGCAGGCTTCGCATTTAGCCCAGGAATCATCAGTGCT
 GCTTCCCTCGGGGACAGACCCAGATCCTGGGGTCCCTCACTACAGCTCCAGTCATTACC
 AGCGCCATTCCCAGCATGCCAGGGATCAGCAGTCAGATCCTCACCATGCTCAGGGACAG
 GTTATTGGAACCCCTTCCATGGGTAGTGAAGTCAAGTCAAGTGTGGCGGCCAGCACCAGCC
 CAAAGCCTGCAGTCCAGGCGTGACCCCCAGCTGTTGTTGAACGCCAGGGCCAGGTG
 ATTGCGACCCTGGCTAGCAGCCCCCTGCCTCCACTGTGGCTGTCCGGAAGCCAAGCACA
 CCTGAGTCCCCTGCTAAGAGTGAGGTGCAGCCATCCAGCCACACCAACCGTGCCCCAG
 CCTGCTGTGGGTATTGCCAGCCAGCTTCAGCCGGCAAGCGCTCTGCCTCTGCTCTAT
 CCCCATTACCTGTGAGAGACCCCCACCGCAGCGCAGTTGGGGTTCAACCCCCATACTC
 CCAGTCTGGATGAGGATGGGATCCACCTTAAAAGAGATACCGGTGGTTTGCCCAAGAAC
 TTTAAGATCCCGACGGTTTTTCGCTTGGGCGCTACCCCATACCCAGGTGGGTACAGGCTTT
 GACTGGCACGGAAGGCGTCNTTCTACAGCCAGGATCCTTCTTTCGCTCGGAGGAACTT
 TGCTTTGCGGCCGATAGGCGCCAGAAGTCTGGCCCGTCTTGGTAAAAGGGTGTGCCAAA
 CTCGCTGGGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002702 unedited
 TGGACCGCGGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTCCGGGGCTCCATCATTTATTTAAGGATGTTGTCCTTTCCCCCAG
 GCCTTGCTGTCTGGTTTATTGTTAAATTTGCTCCTTTTAAAAAGGCCCATTTTTGGGT
 GGAAATGGGTGTGGGACAAAAAAGAAAAGGTCCCTTTCTTTCTTATTTTT
 CTCCAAAGTTGCCGTTTGTTCATATCCAGTCTGCAAGTTTTTAACCCACTTTTTT
 TTGGGGGAGGGATGGCCTTTGCCAGAAATTAATTTAAATTTGAAAAACAGCCTTTTTT
 TTTAAATCCCAACCTTTTGCAAAACCAGAAAACTCCAAACAGGTAAAGTTCAGTGT
 GCTTCCTTCCAACATGGATTAATAAAGGTTCTGTTTTAGTGCAATTTTCCCGCAAAGG
 AACCCAGAAAAAGGTGAAAAGGAAATCCCATGTTCCACCCCAAGGGTTTGGGAACCTTC
 TGACCTTGAGGTCAAGGCAAACATGGAGTCTGACCTTTTGGAGCAGCACATCACACTTTTT
 TGAATTTTATCTCCAGGTCCTTTCCGGTGCACCTGCAGGCAAAGTGTGGGGGGCGGAAGG
 GCACTGTGAGGCTGTGTTTCCACTGGATGAGTTGTACATCCTGCCCTTAACACAGAGGA
 GCAAAGGAGAACACAGGTGAAAAGAGATGCCTCAAAGCAGAGCTATGGCCAGTGTCTT
 AGGACTGTTTACCCTGCCACAAGACGGGATTTCTGTTCCACAAAAATCACCTCAAACAT
 GCTACAGTGTCTTAATGACCCAATCTCTTTGGAGGACAGCCAAGCTGACCTTCGGGC
 CCCTTGCTCCTG

Restriction Sites:

NotI-NotI

ACCN:

NM_002702

Insert Size:

2210 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_002702.2 , NP_002693.2
RefSeq Size:	2911 bp
RefSeq ORF:	906 bp
Locus ID:	5463
UniProt ID:	Q14863
Cytogenetics:	12q13.13
Domains:	POU, homeobox
Protein Families:	Transcription Factors
Gene Summary:	<p>Transcription factor that binds preferentially to a variant of the octamer motif (5'-ATGATAAT-3').[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR, lacks a large portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 3. The encoded isoform (1) has a shorter N-terminus than isoform 2.</p>