

Product datasheet for SC116625

POU3F2 (NM_005604) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POU3F2 (NM_005604) Human Untagged Clone
Tag:	Tag Free
Symbol:	POU3F2
Synonyms:	brn-2; BRN2; N-Oct3; oct-7; OCT7; OTF-7; OTF7; POUF3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005604, the custom clone sequence may differ by one or more nucleotides

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ATGGCGACCCGAGCGTCTAACCACTACAGCCTGCTCACCTCCAGCGCCTCCATCGTGCACGCCGAGCCGC
CCGGCGGCATGCAGCAGGGCGCGGGGGGCTACCGCAAGCGCAGAGCCTGGTGCAGGGCGACTACGGCGC
TCTGCAGAGCAACGGACACCCGCTCAGCCACGCTCACCAGTGGATCACCGCGCTGTCCCACGGCGCGCGG
GGCGGGGGCGGTGGCGGCGCGGGGGGGGGCGGGGGCGGGCGGGGGCGGGCGGCGGCGGCGGCGGCGGCGG
CCACCAGCCCCCTGGGCCAGCCGGACATCAAGCCCTCGGTGGTGGTGCAGCAGGGCGGCCGCGGAGACGA
GCTGCACGGGCCAGGCGCCCTGCAGCAGCAGCATCAGCAGCAGCAACAGCAACAGCAGCAGCAACAGCAG
CAACAGCAGCAGCAGCAGCAGCAACAGCGGCCCGCGCATCTGGTGCACCACGCCGCTAACACCACCCGG
GACCCGGGGCATGGCGGAGCGCGCGGCTGCAGCGCACCTCCCACCCTCCATGGGAGCGTCCAACGGCGG
CTTGCTCTACTCGCAGCCAGCTTCACGGTGAACGGCATGCTGGGCGCCGGCGGGCAGCCGGCCGGTCTG
CACCACCACGGCCTGCGGGACGCGCAGCAGCAGGCCACACCATGCCGACCACCACCCGACCCGCACTCGC
ACCCACACCAGCAGCCGCGCCCGCCCGCCCGCAGGGTCCGCTGGCCACCCAGGCGCGCACCACGA
CCCGCACTCGGACGAGGACACGCCGACCTCGGACGACCTGGAGCAGTTCGCCAAGCAGTTCAAGCAGCGG
CGGATCAAAGTGGATTTACCCAAGCGGACGTGGGGCTGGCTCTGGGCACCCTGTATGGCAACGTGTTCT
CGCAGACCACCATCTGCAGGTTTGAGGCCCTGCAGCTGAGCTTCAAGAACATGTGCAAGCTGAAGCCTTT
GTTGAACAAGTGGTTGGAGGAGGCGGACTCGTCTCGGGCAGCCACGAGCATAGACAAGATCGCAGCG
CAAGGGCGCAAGCGGAAAAAGCGGACCTCCATCGAGGTGAGCGTCAAGGGGGCTCTGGAGAGCCATTTC
TCAAATGCCCAAGCCCTCGGCCAGGAGATCACCTCCCTCGCGGACAGCTTACAGCTGGAGAAGGAGGT
GGTGAAGTGGTTTTGTAACAGGAGACAGAAAGAGAAAAGGATGACCCCTCCCGGAGGGACTCTGCCG
GGCGCCGAGGATGTGTACGGGGGAGTAGGGACTCCACCACACCAGGGGTGCAGACGCCGCTCCAGT
GA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005604 unedited
 NATTATGTNATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGAGAGGGGAGC
 GCCGAGCTAGTCAGAGAGTGAGCGAGAGCGAGAAGGAGGGAGAGGAGGAGAAAGAGAGCG
 AGGGCGGGCGGGAGGGCGGGCGGGCGGCAGCAGCAGTAATAGCAGGAGCAGCAACAG
 AAGGCGTCGGAGCGGGCTCGGAGCTGCCCGCTGTGGGAGAGAGAGGAGACAGAAAGAGC
 GAGCGAGGAGAGGGAGCCCGAGGCGAAAAAGTAACTGTCAAATGCGCGGCTCCTTTAAC
 GGAGCGCTCAGTCCGGCTCCGAGAGTCATGGCGACCGCAGCGTCTAACCACTACAGCCTG
 CTCACCTCCAGCGCTCCATCGTGCACGCGAGCCGCCGGCGGCATGCAGCAGGGCGCG
 GGGGGCTACCGCGAAGCGCAGAGCCTGGTGCAGGGCGACTACGGCGCTCTGCAGAGCAAC
 GGACACCCGCTCAGCCACGCTCACCAGTGGATCACCGCGTGTCCACGGCGGGCGGGC
 GGGGGCGTGGCGGGCGGGGGGGCGGTCTCTTTTCTCTCTATTCTCATCTCTTC
 CCGCATTTCCACCCCCCCCCCTCTATTTTTCTCTCTTCCAGCGCCCTCTCTCTC
 TCACTACCTTCTCCCTCCTCTCTTTCTTTTTTCCCTTCACTTATTATAACACCC
 TCTCCCCCTCCCTTCTAACTATTTCTCCCTCCTCTCTATCCTCGCACCCCTCCCA
 CCCCTCCACTCGTATCTCCCTCCTCTCGCTGTTATTTATCCTTCTATTGTACAATCAT
 CTCTACTTTCTATTCTTTCTTCATCTCCACCCANTTTACTCTTGGTTCGGCCAC
 GCCCCTCGCTCTCTCTCTTATTCTCCCTCTACTCCCCACCTATCTCTTCTTCT
 CCCGTTATCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005604 unedited
 TATGGACCGGGCAGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTATAAGATCTCT
 GCGTTTTTATTTTCCCCACAAGCACAACCAAATGTACCAAAACAAAGTATTTTTTAAGAG
 ACTGAACAAAAAATTACATCCCATATAGATTTTGCTCACCTATTCATTTAAAGTACAG
 AAAACAGTTTCCAGAACCTTTTTGTTTTCAAAGAAATAATATACATTGAGGCAGGCCA
 CTTAAAAATGATATGAAAATATTTCCCTGGGTAGCATTAAAAAAAAGAAAAATAGACAA
 AGAAACATTTNNAACTATTTNCTGGCATTCTTCAAAGACAGATATCTAACATATATA
 CATAAGTGGTAAAGGTTCAAGTGGGTAACCTTTTCATTTCTTAGTAAACCTATTNAGAGC
 CAGGAGAAAGCTGTTAGACACATTTCTCTTGGAACTCCCAACCTTTTTGGAACTTTACC
 CTTAACTTGGGGGAATAAAAGGATATTCTGGGGAAAATTCAATTTTCCCTCCCTTTAA
 CCAAAGGGGATTTTTGGCCCCGCGCTTGGGGAAAAGCCTTCCCCTTAAAGGGGCGCCA
 TTTCCCCCTTCCCCCTTTGGGNNNNNNAAGCCNAACGGGTNTNCCACCCCGGAANAN
 NNTCTCCNGGGGCACATTTTCTTTGGGAGACATTTTTTGTGGGGGGGAAAGGGAAA
 AAACCCGCGGGAATTAATATTTGGCCCCCTTATAAAGGGAACCCCTTTTTTTCTTGG
 GGCGAAAACAGCGGGAGAGAGGAAGAAACCCCCCGGGTGTGTGAGTAAGAAGCATAT
 TTTTAGGGCTTTTTTTTCTCTAAACCTTTAAAGAACCTCGCGGGGGGGGAGCGCTGA
 TTNTGTGGTCGCGGCACCCACAATTTTTGGTGGGGGGGGGACTCTCTTTTTTCTTTA
 TATAAAAAAATATCTTTCCCCCCCCCGGGGGGAAAAAACCCCCCCCTCTTCT
 TTTAAA

Restriction Sites:

NotI-NotI

ACCN:

NM_005604

Insert Size:

3410 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:	A trueClone.
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_005604.2 , NP_005595.2
RefSeq Size:	4108 bp
RefSeq ORF:	1332 bp
Locus ID:	5454
UniProt ID:	P20265
Cytogenetics:	6q16.1
Domains:	POU, homeobox
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a member of the POU-III class of neural transcription factors. The encoded protein is involved in neuronal differentiation and enhances the activation of corticotropin-releasing hormone regulated genes. Overexpression of this protein is associated with an increase in the proliferation of melanoma cells. [provided by RefSeq, Mar 2012]