

Product datasheet for **SC115616**

POU6F2 (NM_007252) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POU6F2 (NM_007252) Human Untagged Clone
Tag:	Tag Free
Symbol:	POU6F2
Synonyms:	RPF-1; WT5; WTSL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_007252, the custom clone sequence may differ by one or more nucleotides

```
ATGAGTGTCTTCTTTCAGGATCCAATGATAGCTGGACAAGTCAGTAAGCCCTTGCTGTGCTGCGGAGTG
AAATGAATGCGGAGTTGAGAGGTGAGGACAAGGCTGCTACTTCAGACAGCGAGCTGAATGAGCCCCGTGCT
TGCCTGTGGAATCAAATGACAGCGAGGACACTCCAGCAAGCTCTTCGGGGCTAGAGGAAACCCAGCA
TTATCAGACCCAGGCACTCCTGACCAACACCAGGCCAGTCAGACCCACCCCCATTTCAGTTGGGCCAC
AGCCACTTCTGACGGCACAGCAGTTAGCTTCTGTGTGGCCGGCGTGATGCCGGGAGGCCCCAGCCCT
CAACCAGCCAATCCTCATTCCCTTCAACATGGCGGGACAGCTAGGAGGCCAGCAAGGACTGGTTCTCACA
CTGCCAACAGCGAATCTACCAACATCCAAGGGCTGGTGGCAGCAGCTGCAGCCGGAGGCATTATGACTC
TGCCACTGCAAAATCTACAAGCTACCTCATCCCTGAACTCCAGCTCCAGCAGCTCCAGCTCCAGCTCCA
GCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG
GCGCCCTCGCAGTCCCAGCAGCAGCCGCTGCAGCCACCCACCCAGCAGCCACCACCCGCTCTCAGC
AGCCGCCAGCTCCTACATCTCAGCTGCAACAGGCGCCTCAGCCCAAGCAGCAGCAGCAGCAGCAGCAGCAGC
CCAGAACCAGAACCAACCATCTCCAACCCAGCAGAGCTCCAGCCCCCGAGAAACCTAGTCAGTCTCCA
GGACATGGCCTGCCTTACCCTCACGCCACCCAACTCCTACAGCTGGTTAATAATCCACTAGCAAGTC
AGGCTGCAGCGGCTGCAGCAGCCATGAGCTCCATAGCAAGCTCACAGGCTTTGGCAATGCCCTCTCCAG
TCTTCAGGGGTCACAGGTCAACTAGTTACTAATGCACAAGGACAGATTATCGGGACATTCCACTGATG
CCTAATCCAGGGCCATCGAGCCAAGCAGCAAGCGGCACTCAGGGCTTGAAGTGCAGCCAATCACCCCCC
AGCTCCTCACAACGCCAGGCCAGATCATCGCCACAGTCATTGGGAACCAGATCCTGCCCGTATCAA
CACCCAGGGCATCAGCTGTACCCATCAAGCCCGCCAGCAGCTCCACCAACCCCTCCAGACGTGATG
GGTCAAGCAGCCTCCCAAGGCAACCTTCTGCACCTGGCTCACAGCCAAGCATCCATGTCTCAAAGTCCCG
TCCGGCAGGCTTCTTCTTCTCCTCATCCTCCTTCTTTCAGCTTTGAGCGTGGGCCAGTTAGTCAG
CAATCCTCAAACGGCAGCGGTTGAGGTGGATGGGGTTAATCTGGAGGAGATCCGAGAATTTGCCAAAGCT
TTTAAATCCGGCGCCTGTCCCTTGGCCTGACCCAGACTCAGGTGGGACAGGCTCTCAGTGTACAGAGG
GCCCGGCTACAGCCAGTCGGCCATCTGCAGACACACCATCCTGAGAAGCCACTTTTTCTACCACAGGA
AGCCCAAGAGAACTATAGCTAGCAGTCTGACAGCCAACTGAACCCTGGCCTTTGTATCCTGCCAGG
TTTGAAAAGCTGGACATACCCCTAAAAGTGCCCAAGATCAAGCCGGTCTTGAGCGGTGGATGGCTG
AGGCTGAGGCCGCCATCGAGCAGGTATGCAGAACCTGACCGAGTTTATCGGGAGTGAACCATCCAAAA
GCGCAAGCGGCGCACCTCCTTACACCCAGGCCCTTGAGATCCTCAATGCCACTTTGAGAAGAACA
CACCCCTTCTGGCAGGAAATGACCGAAATTGCTGAGAAGCTGAACTATGACCGAGAAGTAGTTAGAGTTT
GGTTCTGCAATAAGAGGCAAGCCCTGAAGAACAATTAACGCTTAAAACAGCACGAGCCGGCCACGGC
AGTCCCTTTGGAGCCCTAACAGACTCTCTGGAAGAAAACCTCTAA
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_007252 unedited
 GGGGGTTCAAATTTTGTAAACGACTCATATAGGCGGCCGGAATTCGGCACGAGGATGG
 ATTGCGATCTCTCAGCGCAGCAGGACACGGGACCATGCAAGCTGTAATTGGTCAGGCAT
 GAACTCTCTTGGGTTGTGTTACCTGTTTGTCTGTTTACTGTCAAGATGCTGAAAGAATGT
 TCTTATAATGATCCAAGAGGAAGTGGCAAATGAGTGCTCTTCTCAGGATCCAATGATAG
 CTGGACAAGTCAGTAAGCCCTTGCTGTCACTGCGGAGTGAATGAATGCGGAGTTGAGAG
 GTGAGACAAGGCTGCTACTTCAGACAGCGAGCTGAATGAGCCCTGCTTGCGCCTGTGG
 AATCAAATGACAGCGAGGACACTCCAGCAAGCTCTCGGGGCTAGAGGAAACCCAGCAT
 TATCAGACCCAGGCACTCTGACCAACACCAGGCCAGTCAGACCCACCCCCATTTCAG
 TTGGGCCACAGCCACTTCTGACGGCACAGCAGTTAGCTTCTGCTGTGGCCGGCGTGATGC
 CGGGAGGCCCCAGCCCTCAACCAGCCAATCCTCATTCCCTTCAACATGGCGGGACAGC
 TAGGAGGCCAGCAAGGACTGGTTCTCACACTGCCAACAGCGAATCTACCAACATCCAAG
 GGCTGGTGGCAGCAGCTGCAGCCGGAGGCATTATGACTCTGCCACTGCAAAATCTACAAG
 CTACCTCATCCCTGAACTCCCAGCTCCAGCAGCTTCAGCTTCAGCTCCAGCAGCAGCAGC
 AGCAGCAGCAGCAGCAGCTTCCCGTCAACCAACCAGCACCCGNNACCAGCCCCACANG
 CCCCCCTCGCAGTCCCAGCAGCACCCGCTTGACAGCCACCCACCCAGCAGNACCACC
 CGNCTCTCAGCAGCCGNCAGTTCTACTTNTAGCTGCAACAGGGCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_007252 unedited
 CTATGGACCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTCTTAAATGT
 GTTCACATTTTCATAATATACAGAAAAAATACGTGGTTATTTGGTTTGTCTTAAGTCCAT
 TAAAAAAGTGGCTTTGGGGGAGACAGGTGGGGGAAGGGAATATCCTACCACACACACCT
 TCAGTGTGGTGTATTCTTGTAAAAATTTTCTAAAAATTTTCTTTTCTTTTCTTTTGGG
 AAACCAACGGACATGTAGAAACCATTCTGTCCACTTGGTAGTTTTCTTAGTCATTTACTT
 ACAAGGTGATGACGACTGGGGCTATTTTTAAATTAATTAATTTTGTGTTGTTGTTG
 TTGTGGAGTCCCAAGGTGGAGTTAGTTTCTGTGAATTTGCTTCTGATTATGGGTGGG
 CATCTCTTTAGGAGTTTTCTCCAGAGAGTCTGTTAAGGGCTCCAAGGGACTGCCGTGG
 CCGGCTCGTGTGTTTTAAGCGTTAATTTGTGTTCTTCAGGGCTGCCTCTTATTGCAGA
 ACCAACTCTAACTACTTCTCGGTCATAGTTTCTCAGCTTCTCAGCAATTTTCGGTCATTTCT
 GCCCAGAAGGTGTGTGTTCTTCTCAAAGTGGGCATTGAGGATCTCAAGGGCTGGGGTG
 TGAAGGAGGTGCCCGCTTGCGCTTTTTGGATGGTTCACTCCCGATAAACTCGGTACAGT
 TCTGCATACCTGCTCGATGGCGGGCCTCAGCCTCAGCCATCCACCCTCAAGCACCGCT
 TGATCTTCTGGGCACTTTTAGGGGTGATGTCCAGCTTTTCAACCTGCANATGGCCGACTG
 GCTGTACGCGGGCCCTCTGTAGCACTGAGAGCCCTGTCCACTGATCTGGGTCANGCCA
 GGGGACAGCGCCGNATTTTAAACTTTNGCAATTTCTCGATCTCTCAGATAAACCCTCCA
 CTC

Restriction Sites:

NotI-NotI

ACCN:

NM_007252

Insert Size:

2480 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:

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_007252.2](#), [NP_009183.3](#)

RefSeq Size: 2223 bp

RefSeq ORF: 2076 bp

Locus ID: 11281

UniProt ID: [P78424](#)

Cytogenetics: 7p14.1

Domains: POU, homeobox

Protein Families: Transcription Factors

Gene Summary: This gene encodes a member of the POU protein family characterized by the presence of a bipartite DNA binding domain, consisting of a POU-specific domain and a homeodomain, separated by a variable polylinker. The DNA binding domain may bind to DNA as monomers or as homo- and/or heterodimers, in a sequence-specific manner. The POU family members are transcriptional regulators, many of which are known to control cell type-specific differentiation pathways. This gene is a tumor suppressor involved in Wilms tumor (WT) predisposition. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.[provided by RefSeq, Oct 2009]

Transcript Variant: This variant (1) is the longer transcript and encodes the longer isoform (1).

Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.