

## Product datasheet for **SC326923**

### **POU5F1B (NM\_001159542) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	POU5F1B (NM_001159542) Human Untagged Clone
Tag:	Tag Free
Symbol:	POU5F1B
Synonyms:	OCT4-PG1; OCT4PG1; OTF3C; OTF3P1; POU5F1P1; POU5F1P4; POU5FLC8; POU5FLC20
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001159542 edited ATGGCGGGACACCTGGCTTCGGATTTTCGCCTTCTCGCCCCCTCCAGGCGGTGGGGGTGAT GGGCCATGGGGGGCGGAGCCGGCTGGGTTGATCCTCTGACCTGGCTAAGCTTCCAAGGC CCTCCTGGAGGGCCAGGAATCGGGCCGGGGTTGGGCCAGGCTCTGAGGTGTGGGGGATT CCCCCTTGCCCCCGCCGTATGAGTTATGTGGGGGATGGCGTACTGTGGCCTCAGGTT GGAGTGGGGCTAGTGCCCAAGGCGGCTTGAGACCTCTCAGCCTGAGAGCGAAGCAGGA GTCGGGGTGGAGAGCAACTCCAATGGGGCTCCCCGGAACCTGCACCGTCCCCCTGGT GCCGTGAAGCTGGAGAAGGAGAAGCTAGAGCAAACCCGAGAAGTCCCAGGACATCAA GCTCTGCAGAAAGAACTCGAGCAATTTGCCAAGCTCCTGAAGCAGAAGAGGATCACCTG GGATATACACAGGCCGATGTGGGCTCATCCTGGGGTTCTATTTGGGAAGGTGTTGAGC CAAAGACCATCTGCCGCTTTGAGGCTCTGCAGCTTAGCTTCAAGAACATGTGTAAGCTG CGGCCCTTGCTGCAGAAGTGGGTGGAGGAAGCTGACAACAATGAAAATCTCAGGAGATA TGCAAAGCAGAAACCTCATGCAGGCCGAAAGAGAAAGCGAACCAGTATCGAGAACCGA GTGAGAGGCAACCTGGAGAATTTGTTTCTGAGTGCCTCGAAACCCACACTGCAGATCAGC CACATCGCCAGCAGCTTGGGCTCGAGAAGGATGTGGTCCGAGTGTGGTTCTGTAACCGG CGCCAGAAGGGCAAGCGATCAAGCAGCGACTATGCACAACGAGAGGATTTTGGAGCTGCT GGGTCTCCTTTCTCAGGGGGACCAAGTGTCTTTCTCCGGCCCCAGGGCCCCATTTTGGT ACCCCAGGCTATGGGAGCCCTCACTTCACTGCAGTGTACTCCTCAGTCCCTTTCCCTGAG GGGAAGTCTTTCCCCAGTCTCCGTCACTACTCTGGGCTCTCCCATGCATCAAAGTGA
Restriction Sites:	Please inquire
ACCN:	NM_001159542
Insert Size:	1100 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001159542.1.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001159542.1, NP_001153014.1</u>
<b>RefSeq Size:</b>	1599 bp
<b>RefSeq ORF:</b>	1080 bp
<b>Locus ID:</b>	5462
<b>UniProt ID:</b>	<u>Q06416</u>
<b>Cytogenetics:</b>	8q24.21
<b>Gene Summary:</b>	This intronless gene was thought to be a transcribed pseudogene of POU class 5 homeobox 1, however, it has been reported that this gene can encode a functional protein. The encoded protein is nearly the same length as and highly similar to the POU class 5 homeobox 1 transcription factor, has been shown to be a weak transcriptional activator and may play a role in carcinogenesis and eye development. [provided by RefSeq, Apr 2009]