

Product datasheet for **SC300043**

Pit1 (POU1F1) (NM_000306) Human Untagged Clone

Product data:

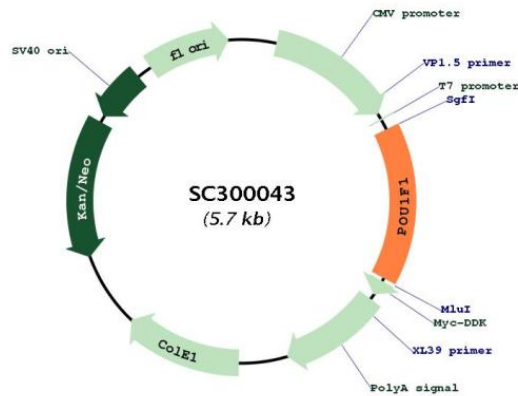
Product Type:	Expression Plasmids
Product Name:	Pit1 (POU1F1) (NM_000306) Human Untagged Clone
Tag:	Tag Free
Symbol:	POU1F1
Synonyms:	CPHD1; GHF-1; Pit-1; PIT1; POU1F1a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300043 representing NM_000306. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTTGCCAAGCTTTACTTCGGCTGATACCTTTATACCTCTGAATTCTGACGCCTCTGCAACTCTG
CCTCTGATAATGCATCACAGTGTGCGGAGTGTCTACCAGTCTCCAACCATGCCACCAATGTGATGTCT
ACAGCAACAGGACTTCATTATTCTGTTCCCTTCTGTCTATTATGGAACCAGCCATCAACCTATGGAGTG
ATGGCAGGTAGTTAAACCCCTTGTCTTTATAAATTTCTGACCACACCTTGAGTCATGGATTTCTCCT
ATACACCAGCCTCTTCTGGCAGAGGACCCACAGCTGCTGATTTCAAGCAGGAACCTAGGCGGAAAAGT
AAATTGGTGAAGAGCCAATAGACATGGATTCTCCAGAAATCAGAGAACCTGAAAAGTTTGCCAATGAA
TTTAAAGTGAGACGAATTAATTAAGGATACACCCAGACAAATGTTGGGGAGGCCCTGGCAGCTGTGCAT
GGCTCTGAATTCAGTCAAACAACAATCTGCCGATTTGAAAATCTGCAGCTCAGCTTTAAAAATGCATGC
AACTGAAAGCAATATTATCCAATGGCTGGAGGAAGCTGAGCAAGTAGGAGCTTTGTACAATGAAAAA
GTGGGAGCAAAAGAAAGGAAAAGAAAACGAAGAACAATAAGCATTGCTGCTAAAGATGCTCTGGAG
AGACACTTTGGAGAACAGAATAAACCTTCTTCAAGAGATCATGAGGATGGCTGAAGAAGTGAATCTG
GAGAAAGAAGTAGTAAGAGTTTGGTTTTGCAACCGGAGGCAGAGAGAAAAACGGGTGAAAACAAGTCTG
AATCAGAGTTTATTTCTATTTCTAAGGAACATCTTGAGTGCAGATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_000306

Insert Size: 876 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).

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:

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_000306.3](#)

RefSeq Size: 1262 bp

RefSeq ORF: 876 bp

Locus ID:	5449
UniProt ID:	P28069
Cytogenetics:	3p11.2
Protein Families:	Druggable Genome, Transcription Factors
MW:	32.9 kDa
Gene Summary:	<p>This gene encodes a member of the POU family of transcription factors that regulate mammalian development. The protein regulates expression of several genes involved in pituitary development and hormone expression. Mutations in this genes result in combined pituitary hormone deficiency. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (alpha) uses an alternate in-frame splice site in the 5' coding region, compared to variant beta, resulting in a shorter protein (isoform alpha).</p>