OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC318829

Pit1 (POU1F1) (NM_001122757) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pit1 (POU1F1) (NM_001122757) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pit1
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:	>SC318829 representing NM_001122757. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGAGTTGCCAAGCTTTTACTTCGGCTGATACCTTTATACCTCTGAATTCTGACGCCTCTGCAACTCTG CCTCTGATAATGCATCACAGTGCTGCCGAGTGTCTACCAGTCTCCAACCATGCCACCAATGTGATGTCT ACAGTCCCATCTATTTTGTCTTTGATCCAAACTCCTAAATGTTTGTGCACACATTTCTCGGTGACAACG TTGGGAAACACAGCAACAGGACTTCATTATTCTGTTCCTTCCTGTCATTATGGAAACCAGCCATCAACC TATGGAGTGATGGCAGGTAGTTTAACCCCTTGTCTTTATAAATTTCCTGACCACACCTTGAGTCATGGA TTTCCTCCTATACACCAGCCTCTTCTGGCAGAGGACCCCACAGCTGCTGATTTCAAGCAGGAACTCAGG CGGAAAAGTAAATTGGTGGAAGAGCCAATAGACATGGATTCTCCAGAAATCAGAGAACTTGAAAAGTTT GCCAATGAATTTAAAGTGAGACGAATTAAATTAGGATACACCCAGACAAATGTTGGGGAGGCCCTGGCA GCTGTGCATGGCTCTGAATTCAGTCAAACAACAATCTGCCGATTTGAAAATCTGCAGCTCAGCTTTAAA AATGCATGCAAACTGAAAGCAATATTATCCAAATGGCTGGAGGAAGCTGAGCAAGTAGGAGCTTTGTAC AATGAAAAAGTGGGAGCAAATGAAAGGAAAAGAAAACGAAGAACAACTATAAGCATTGCTGCTAAAGAT GCTCTGGAGAGACACTTTGGAGAACAGAATAAACCTTCTTCTCAAGAGATCATGAGGATGGCTGAAGAA CTGAATCTGGAGAAAGAAGTAGTAAGAGTTTGGTTTTGCAACCGGAGGCAGAGAGAAAAACGGGTGAAA ACAAGTCTGAATCAGAGTTTATTTTCTATTTCTAAGGAACATCTTGAGTGCAGATAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_001122757
Insert Size:	954 bp

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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_001122757.2
RefSeq Size:	1340 bp
RefSeq ORF:	954 bp
Locus ID:	5449
UniProt ID:	P28069
Cytogenetics:	3p11.2
Protein Families:	Druggable Genome, Transcription Factors
MW:	35.7 kDa
Gene Summary:	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] Transcript Variant: This variant (beta), also known as GHF-2 or PIT-2, represents the longer transcript and encodes the longer isoform (beta). 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.