

Product datasheet for SC333936

DNA Polymerase epsilon (POLE3) (NM_001278255) Human Untagged Clone

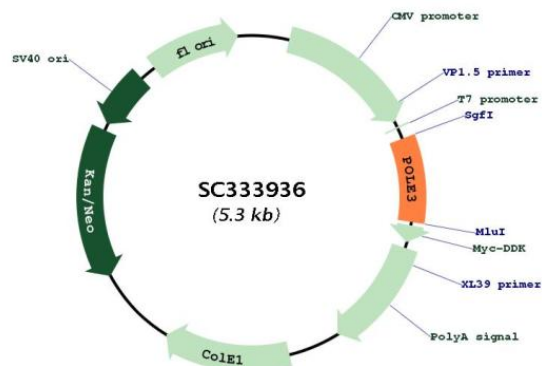
Product data:

Product Type:	Expression Plasmids
Product Name:	DNA Polymerase epsilon (POLE3) (NM_001278255) Human Untagged Clone
Tag:	Tag Free
Symbol:	POLE3
Synonyms:	CHARAC17; CHRAC2; CHRAC17; p17; YBL1
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC333936 representing NM_001278255. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCGGAGAGGCCCGAGGACCTAAACCTGCCAATGCCGTGATCACCAGGATCATCAAGGAGGCGCTC
CCGGACGGTGTCAACATCTCCAAGGAGGCCCGAGCGCCATCTCCCGCGCCGACGCTTCTCGTGTG
TACGCCACATCTGTGCTAACAACCTTGAATGAAAGGAAAGCGGAAGACGCTGAATGCCAGTGATGTG
CTCTCAGCCATGGAAGAGATGGAGTTCAGCGTTCGTTACCCATTGAAAGAAGCTCTGGAAGCATAT
AGGCGGGAGCAGAAAGGCAAGAAGGAGGCTCAGAGCAAAGAAGAAGGACAAAGACAAAAAACAGAC
TCGGAAGAGCAAGACAAGAGCAGGGATGAGGACAATGATGAAGACGAAGAAGGCTGGAAGAAGAAGAA
CAGAATGAAGAGGAAGAAGTAGACAAC**TGA**

Restriction Sites: SgfI-MluI

Plasmid Map:



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ACCN:	NM_001278255
Insert Size:	444 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:	<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_001278255.1
RefSeq Size:	2258 bp
RefSeq ORF:	444 bp
Locus ID:	54107
UniProt ID:	Q9NRF9
Cytogenetics:	9q32
Protein Pathways:	Base excision repair, DNA replication, Metabolic pathways, Nucleotide excision repair, Purine metabolism, Pyrimidine metabolism
MW:	16.9 kDa
Gene Summary:	<p>POLE3 is a histone-fold protein that interacts with other histone-fold proteins to bind DNA in a sequence-independent manner. These histone-fold protein dimers combine within larger enzymatic complexes for DNA transcription, replication, and packaging.[supplied by OMIM, Apr 2004]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.</p>