

Datasheet for ABIN4925254

## Human POTEA ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	POTEA
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

### Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human POTEA with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1497 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGTGGCTG AGGTTTCTCC AAAGCTGGCT GCCTCCCCTA TGAAGAAGCC CTTTGGCTTC AGGGCAAGA TGGCAAGTG GTGCTGCTGC TGCTCCCCT GCTGCAGGGG AAGCGGCAAG AACAACATGG GTGCTTGGAG AGACCACGAC GACAGCGCCT TCACGGAGCC AAGGTATCAC GTCCGTCGAG AAGATCTGGG CAAGCTCCAC AGAGCTGCCT GGTGGGGTGA AGTCCCCAGA GCGGATCTCA TCGTCATGCT CAGGGGCCCT GGCATTAACA AAAGGGACAA GAAGAAGAGG

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## Product Details

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ACTGCTCTAC ACTTGGCCTG TGCCAATGGC AATTCAGAAG TAGTAAGTCT TCTGCTGGAC  
AGACAATGTC AACTTCATGT CTTTGACAGC AAAAAAGAGGA CAGCTCTGAT AAAGGCCGTA  
CAATGCCAGG AGGATGAATG TGCCTTAATG TTGCTACAAC ATGGCACTGA TCCAAATCTT  
CCAGATATGT ATGGGAATAC TGCTCTACAC TATGCAGTCT ACAATGAAGA TAAATTAATG  
GCCAAAACAC TGCTTTTATA CGGTGCTGAC ATTGAATCAA AAAACAAGGG TGGCCTCACA  
CCACTTTTGC TTGCTGTACA TGGACAAAAA CAGCGAATGG TGAAATTTTT AATCAAGAAA  
AAAGCTAATT TAAATGCACT TGATAGGTTT GGAAGAACTG CCCTCATACT TGCTGTACGT  
TGTGGATCAG CAAGTATAGT TAGTCTTCTA CTTTACGAAA ATATTGATGT ATTTTCTCAA  
GATGTATTTG GACAACTGC TGAAGATTAT GCAGTTTCTA GTCATCATAG TATAATTTGC  
CAATTACTTT CTGACTACAA AGAAAACCAG ATGCCAAACA ACTCTTCTGG AAATAGCAAT  
CCAGAACAAG ACTTAAAGCT GACATCAGAG GAAGAGCCAC AAAGGCTTAA AGGAAGTGAA  
AATAGTCAGC ATGAGAAAGT GACTCAAGAA CCAGACATAA ATAAGGATTG CGATAGAGAG  
GTTGAAGAAG AAATGCAGAA GCATGGAAGT AATAATGTGG GATTATCAGA AAACCTGACT  
GATGGTGCTG CTGCTGGCAA TGGTATGGT GGATTAGTTC CACAAAGAAA GAGCAGAAA  
CATGAAAATC AGCAATTTCC TAACACAGAG ATTGAAGAGT ATCACAGGCC TGAAAAGAAA  
TCTAATGAAA AGAACAAGGT CAAAAGCCAA ATACATTAG TGGATAACCT TGATGACATA  
ACATGGCCAT CAGAAATAGC GTCAGAGGAT TATGATTTGC TTTTCTCTAA TTATGAGACT  
TTTACATTGC TCATTGAACA ACTCAAATG GATTTTAACG ATTCTGCTAG CCTATCAAAA  
ATCCAGGATG CAGTTATTTT AGAAGAACAC TTAAGTAGAAC TCAAAAATAG CCACTATGAG  
CAACTTACAG TAGAAGTTGA ACAAATGGAA AATATGGTTC ATGTACTACA AAAATAG

Specificity: ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

Sequencing Primer:

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

Grade: End-sequenced

Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

## Target Details

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Gene: POTEA

Alternative Name: POTEA ([POTEA Products](#))

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## Target Details

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Gene ID: 340441

NCBI Accession: [NM\\_001005365](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

Expiry Date: 12 months

## Publications

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Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)