

Datasheet for ABIN4925253

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:	1359 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

ACTGCTCTAC ACTTGGCCTG TGCCAATGGC AATTCAGAAG TAGTAAGTCT TCTGCTGGAC
AGACAATGTC AACTTCATGT CTTTGACAGC AAAAAAGAGGA CAGCTCTGAT AAAGGCCGTA
CAATGCCAGG AGGATGAATG TGCCTAATG TTGCTACAAC ATGGCACTGA TCCAAATCTT
CCAGATATGT ATGGGAATAC TGCTCTACAC TATGCAGTCT ACAATGAAGA TAAATTAATG
GCCAAAACAC TGCTTTTATA CGGTGCTGAC ATTGAATCAA AAAACAAGGG TGGCCTCACA
CCACTTTTGC TTGCTGTACA TGGACAAAAA CAGCGAATGG TGAAATTTTT AATCAAGAAA
AAAGCTAATT TAAATGCACT TGATAGGTTT GGAAGAATTT GCCAATTAAT TTCTGACTAC
AAAGAAAACC AGATGCCAAA CAACTCTTCT GGAAATAGCA ATCCAGAACA AGACTTAAAG
CTGACATCAG AGGAAGAGCC ACAAAGGCTT AAAGGAAGTG AAAATAGTCA GCATGAGAAA
GTGACTCAAG AACCAGACAT AAATAAGGAT TGCATAGAG AGGTTGAAGA AGAAATGCAG
AAGCATGGAA GTAATAATGT GGGATTATCA GAAAACCTGA CTGATGGTGC TGCTGCTGGC
AATGGTGATG GTGGATTAGT TCCACAAAAGA AAGAGCAGAA AGCATGAAAA TCAGCAATTT
CCTAACACAG AGATTGAAGA GTATCACAGG CCTGAAAAGA AATCTAATGA AAAGAACAAG
GTCAAAAGCC AAATACATTC AGTGGATAAC CTTGATGACA TAACATGGCC ATCAGAAATA
GCGTCAGAGG ATTATGATTT GCTTTTCTCT AATTATGAGA CTTTTACATT GCTCATTGAA
CAACTCAAAA TGGATTTTAA CGATTCTGCT AGCCTATCAA AAATCCAGGA TGCAGTTATT
TCAGAAGAAC ACTTACTAGA ACTCAAAAAT AGCCACTATG AGCAACTTAC AGTAGAAGTT
GAACAAATGG AAAATATGGT TCATGTACTA CAAAAATAG

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

Gene: POTEA

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

Gene ID: 340441

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Target Details

NCBI Accession: [NM_001002920](#)

Application Details

Restrictions: For Research Use only

Handling

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

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