

Datasheet for ABIN3304052

## Human POTEA cDNA Clone in Mammalian Expression Vector

### Overview

Quantity:	10 µg
Gene:	POTEA
Species:	Human
Insert:	cDNA
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

### Product Details

Purpose:	Untagged full-length cDNA clone from Human POTEA is ideal for over-expression of native protein for functional studies.
Brand:	TrueClones®
Vector Backbone:	pCMV6-Entry
Promoter:	Enhanced CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Kanamycin
Expression Type:	Transient
Specificity:	With the native stop codon at the end of the ORF the C-terminal Myc-DDK tag in the vector won't be expressed.
Characteristics:	<ul style="list-style-type: none"> <li>• These cDNA clones are isolated from full-length cDNA libraries and usually contain the coding sequence as well as the untranslated regions (UTRs) of the mRNA transcript appropriate to the library from which they were isolated.</li> <li>• These cDNA clones are ideal for over-expression of native proteins for functional studies. Provided as 10 µg transfection-ready plasmids.</li> <li>• Every lot of primer is tested to provide clean sequencing of cDNA clones.</li> </ul>

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## Product Details

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Purification:	The DNAs were purified using PowerPrep HP Plasmid isolation kits for transfection ready plasmids.
Sequencing Primer:	VP1.5 (forward) 5'GGACTTTCCAAAATGTCCG 3', XL39 (reverse) 5'ATTAGGACAAGGCTGGTGGG 3'
Components:	<ul style="list-style-type: none"><li>The cDNA clone is shipped in a 2-D bar-coded Matrix tube as dried plasmid DNA.</li><li>The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.</li></ul>

## Target Details

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Gene:	POTEA
Alternative Name:	POTEA ( <a href="#">POTEA Products</a> )
Background:	Transcript Variant: This variant (2) includes an additional in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (2) that is longer than isoform 1. It should be noted that this variant may possibly undergo nonsense-mediated mRNA decay (NMD), this RefSeq is currently being retained because this gene is considered to be protein-coding in the literature, including PMID:15276201.
NCBI Accession:	<a href="#">NM_001005365</a> , <a href="#">NP_001005365</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
Storage:	RT,-20 °C
Storage Comment:	The lyophilized plasmid is stable for up to one year when stored at ambient temperature. Following dissolution in 100 µL dH <sub>2</sub> O, store at -20 °C. Lyophilized primers are stable for up to one year when stored at ambient temperature. Following dissolution in 10 µL dH <sub>2</sub> O, store at -20 °C.
Expiry Date:	12 months

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## Publications

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