

Datasheet for ABIN4930345

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

### Overview

Quantity:	10 µg
Gene:	DUXA
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 DUXA with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	615 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGCCGAAG ACACCTATTC ACACAAGATG GTAAAAACAA ATCATAGGCG CTGTGCACAA AAATTCACAG AAGAACAGTT GAAAATCCTC ATCAATACCT TCAATCAAAA GCCTTACCCA GGTTATGCTA CCAAACAAAA ACTTGCTTTA GAAATCAATA CAGAAGAGTC CAGAATCCAG ATTTGGTTTC AGAATCGAAG AGCTAGGCAC GGATTCCAGA AAAGACCAGA AGCTGAGACT TTAGAATCAA GCCAGAGCCA GGGCAAGAT CAACCTGGTG TGGAGTTTCA AAGTAGAGAA

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## Product Details

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GCCAGACGGT GTCGTACCAC CTACAGCGCC TCTCAGTTAC AACTCTCAT CAAGGCATTT  
ATGAAAAACC CATATCCTGG GATTGATTCC AGAGAAGAAC TTGCTAAAGA AATCGGTGTT  
CCAGAGTCAA GAGTCCAAAT TTGGTTCCAA AATCGAAGAT CTAGATTACT TCTCCAGAGA  
AAAAGGGAAC CTGTGGCGTC CTTAGAACAA GAAGAGCAGG GCAAGATTCC TGAGGGACTG  
CAAGGTGCAG AAGATACACA AAATGGCACC AACTTCACTA GTGACTCTCA TTTCTCTGGA  
GCCAGAACGT GGTGA

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: DUXA

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

Background: Homeobox genes encode DNA-binding proteins, many of which are thought to be involved in early embryonic development. Homeobox genes encode a DNA-binding domain of 60 to 63 amino acids referred to as the homeodomain. This gene is a member of the DUXA homeobox gene family. Evidence of mRNA expression has not yet been found for this gene. Multiple, related processed pseudogenes have been found which are thought to reflect expression of this gene in the germ line or embryonic cells. [provided by RefSeq, Jul 2008].

Gene ID: 503835

NCBI Accession: [NM\\_001012729](#)

## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Storage: RT/-20 °C

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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.

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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)