

Datasheet for ABIN4930348

Human DUX1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	DUX1
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 DUX1 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	513 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGCCCTCC TGACAGCTTT GGACGACACC CTCCCCGAGG AAGCCCAGGG ACCGGAAGG CGAATGATAC TCCTTTCGAC CCCGAGTCAA AGTGATGCCC TCGAGCCTG CTTTGAGCGG AACCTGTACC CGGGCATTGC CACCAAAGAA GAGCTGGCCC AGGGCATCGA CATTCCGGAG CCCAGGGTCC AGATTTGGTT TCAGAATGAG AGATCATGCC AGTTGAGGCA GCACCGGCGG CAATCTCGGC CCTGGCCCGG GAGACGTGAC CCGCAAAAAG GCAGACGAAA GCGGACTGCC

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Product Details

ATCACCGGAT CCCAAACCGC CCTGCTCCTC CGAGCCTTTG AGAAGGATCG CTTTCCAGGC
ATTGCTGCCA GGAAGAGCT GGCCAGAGAG ACGGGCCTCC CGGAGTCCAG GATTCAGATC
TGGTTTCAGA ATCGAAGAGC CAGGCACCGG GGACAGTCTG GCAGGGCGCC CACGCAGGCA
AGCATCCGGT GCAATGCAGC CCCAATTGGG TGA

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: DUX1

Alternative Name: DUX1 ([DUX1 Products](#))

Background: The human genome contains hundreds of repeats of the 3.3-kb family in regions associated with heterochromatin. The DUX gene family, including DUX1, resides within these 3.3-kb repeated elements (Beckers et al., 2001 [PubMed 11245978]). See DUX4 (MIM 606009).[supplied by OMIM, Mar 2008].

Gene ID: 26584

NCBI Accession: [NM_012146](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: RT/-20 °C

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Handling

- 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

Publications

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