

Datasheet for ABIN4936442

Human POU5F1B ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	POU5F1B
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 POU5F1B with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1080 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGCGGGAC ACCTGGCTTC GGATTCGCC TTCTCGCCCC CTCCAGGCGG TGGGGGTGAT GGGCCATGGG GGGCGGAGCC GGGCTGGGTT GATCCTCTGA CCTGGCTAAG CTTCCAAGGC CCTCCTGGAG GGCCAGGAAT CGGGCCGGGG GTTGGGCCAG GCTCTGAGGT GTGGGGGATT CCCCCTTGCC CCCC GCCGTA TGAGTTATGT GGGGGGATGG CGTACTGTGG GCCTCAGGTT

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Product Details

GGAGTGGGGC TAGTGCCCCA AGGCGGCTTG GAGACCTCTC AGCCTGAGAG CGAAGCAGGA
GTCGGGGTGG AGAGCAACTC CAATGGGGCC TCCCCGGAAC CCTGCACCGT CCCCCCTGGT
GCCGTGAAGC TGGAGAAGGA GAAGCTAGAG CAAAACCCGG AGAAGTCCCA GGACATCAAA
GCTCTGCAGA AAGAACTCGA GCAATTTGCC AAGCTCCTGA AGCAGAAGAG GATCACCCCTG
GGATATACAC AGGCCGATGT GGGGCTCATC CTGGGGGTTC TATTTGGGAA GGTGTTTCAGC
CAAAAGACCA TCTGCCGCTT TGAGGCTCTG CAGCTTAGCT TCAAGAACAT GTGTAAGCTG
CGGCCCTTGC TGCAGAAGTG GGTGGAGGAA GCTGACAACA ATGAAAATCT TCAGGAGATA
TGCAAAGCAG AAACCCTCAT GCAGGCCCGA AAGAGAAAGC GAACCAGTAT CGAGAACCGA
GTGAGAGGCA ACCTGGAGAA TTTGTTCTG CAGTGCCCGA AACCCACACT GCAGATCAGC
CACATCGCCC AGCAGCTTGG GCTCGAGAAG GATGTGGTCC GAGTGTGGTT CTGTAACCGG
CGCCAGAAGG GCAAGCGATC AAGCAGCGAC TATGCACAAC GAGAGGATTT TGAGGCTGCT
GGGTCTCCTT TCTCAGGGGG ACCAGTGTCC TTTCTCCGG CCCCAGGGCC CCATTTTGGT
ACCCAGGCT ATGGGAGCCC TCACTTCACT GCACTGTACT CCTCAGTCCC TTTCCCTGAG
GGGGAAGTCT TTCCCCAGT CTCCGTCATC ACTCTGGGCT CTCCCATGCA TTCAAAGTGA

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: POU5F1B

Alternative Name: POU5F1B ([POU5F1B Products](#))

Background: This intronless gene was thought to be a transcribed pseudogene of POU class 5 homeobox 1, however, it has been reported that this gene can encode a functional protein. The encoded protein is nearly the same length as and highly similar to the POU class 5 homeobox 1 transcription factor, has been shown to be a weak transcriptional activator and may play a role in carcinogenesis and eye development. [provided by RefSeq, Apr 2009].

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Target Details

Gene ID: 5462

NCBI Accession: [NM_001159542](#)

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)