

Datasheet for ABIN3376571

Human DCDC1 cDNA Clone in Mammalian Expression Vector

Overview

Quantity:	10 µg
Gene:	DCDC1
Species:	Human
Insert:	cDNA
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

Product Details

Purpose:	Untagged full-length cDNA clone from Human DCDC1 is ideal for over-expression of native protein for functional studies.
Brand:	TrueClones®
Insert Length:	1100 bp
Vector Backbone:	pCMV6-Neo
Promoter:	Enhanced CMV Promoter, T7 Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Characteristics:	<ul style="list-style-type: none"> • 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. • These cDNA clones are ideal for over-expression of native proteins for functional studies. Provided as 10 µg transfection-ready plasmids. • Every lot of primer is tested to provide clean sequencing of cDNA clones.
Purification:	The DNAs were purified using PowerPrep HP Plasmid isolation kits for transfection ready

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Product Details

plasmids.

Sequencing Primer: VP1.5 (forward) 5'GGACTTTCCAAAATGTTCG 3', XL39 (reverse) 5'ATTAGGACAAGGCTGGTGGG 3'

Components:

- The cDNA clone is shipped in a 2-D bar-coded Matrix tube as dried plasmid DNA.
- The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Target Details

Gene: DCDC1

Alternative Name: DCDC1 ([DCDC1 Products](#))

Background: This gene encodes a member of the doublecortin family. The protein encoded by this gene is a hydrophilic, intracellular protein. It contains a single doublecortin domain and is unable to bind microtubules and to regulate microtubule polymerization. This gene is mainly expressed in adult testis. It does not have a mouse homolog. [provided by RefSeq, Sep 2010].

NCBI Accession: [NM_181807](#), [NP_861523](#)

Application Details

Restrictions: For Research Use only

Handling

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 dH₂O, store at -20 °C. Lyophilized primers are stable for up to one year when stored at ambient temperature. Following dissolution in 10 µL dH₂O, store at -20 °C.

Expiry Date: 12 months

Publications

Product cited in: Yu, Lu, Zuo, Yan, Yu, Li, Huang, Zhao, Tang, Luo, Liao, Zeng, Zhang, Li: "Epstein-Barr virus downregulates microRNA 203 through the oncoprotein latent membrane protein 1: a

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contribution to increased tumor incidence in epithelial cells." in: **Journal of virology**, Vol. 86, Issue 6, pp. 3088-99, (2012) ([PubMed](#)).