

Datasheet for ABIN3388625

Human C4ORF48 cDNA Clone in Mammalian Expression Vector

Overview

Quantity:	10 µg
Gene:	C4orf48 (C4ORF48)
Species:	Human
Insert:	cDNA
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

Product Details

Purpose:	Untagged full-length cDNA clone from Human C4orf48 is ideal for over-expression of native protein for functional studies.
Brand:	TrueClones®
Insert Length:	500 bp
Vector Backbone:	pCMV6-XL5
Promoter:	Enhanced CMV Promoter, T7 Promoter
Bacterial Resistance:	Ampicillin
Expression Type:	Transient
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 plasmids.

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Product Details

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: C4orf48 (C4ORF48)

Alternative Name: C4orf48 ([C4ORF48 Products](#))

Background: Transcript Variant: This variant (2) differs in the 5' UTR and uses a downstream start codon, compared to variant 1. The resulting isoform (2) is shorter at the N-terminus, compared to isoform 1.

NCBI Accession: [NM_001141936](#), [NP_001135408](#)

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: Yang, Zhang, Lian, Haig, Bhattacharjee, Jevnikar: "IL-37 inhibits IL-18-induced tubular epithelial cell expression of pro-inflammatory cytokines and renal ischemia-reperfusion injury." in: **Kidney international**, Vol. 87, Issue 2, pp. 396-408, (2015) ([PubMed](#)).