

Datasheet for ABIN3332351

Mouse VND cDNA Clone in Mammalian Expression Vector (Myc-DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	NKX2 (VND)
Species:	Mouse
Insert:	cDNA
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

Product Details

Purpose:	Untagged full-length cDNA clone from Mouse (Murine) Nkx2 is ideal for over-expression of native protein for functional studies.
Brand:	TrueClones®
Insert Length:	708 bp
Vector Backbone:	pCMV6-Entry
Promoter:	Enhanced CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Kanamycin
Expression Type:	Transient
Specificity:	Restriction Site: SgfI-MluI. With the native stop codon at the end of the ORF the C-terminal Myc-DDK tag in the vector won't be expressed.
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.

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Product Details

- 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.
Sequencing Primer:	VP1.5 (forward) 5'GGACTTTCCAAAATGTTCG 3', XL39 (reverse) 5'ATTAGGACAAGGCTGGTGGG 3'
Grade:	End-sequenced
Components:	<ul style="list-style-type: none">• 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:	NKX2 (VND)
Alternative Name:	Nkx2
Background:	Possible role in the specification of a distinct subset of neurons. [UniProtKB/Swiss-Prot Function]
NCBI Accession:	NM_008701 , NP_032727

Application Details

Restrictions:	For Research Use only
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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 dH ₂ O, store at -20 °C. Lyophilized primers are stable for up to one year when stored at ambient temperature. Following dissolution in 10 µL dH ₂ O, store at -20 °C.
Expiry Date:	12 months

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Publications

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