

Datasheet for ABIN3298038

## Rat CYP3A23/3A1 cDNA Clone in Mammalian Expression Vector (Myc-DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	Cyp3a23/3a1 (CYP3A23/3A1)
Species:	Rat
Insert:	cDNA
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

### Product Details

Purpose:	Untagged full-length cDNA clone from Rat Cyp3a23 is ideal for over-expression of native protein for functional studies.
Brand:	TrueClones®
Insert Length:	1509 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"> <li>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.</li> </ul>

Order at [www.genomics-online.com](http://www.genomics-online.com)

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## Product Details

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- 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'

- 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

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Gene: Cyp3a23/3a1 (CYP3A23/3A1)

Alternative Name: Cyp3a23

Background: Steroid-inducible member of p450 subfamily 3A, induced by pregnenolone 16 alpha-carbonitrile, dexamethasone (DEX), phenobarbital (PB) and triacetyloleandomycin [RGD, Feb 2006].  
Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Gene record to access additional publications. RN213154 has not yet been cited specifically in any publications. [Click to view all citations of TrueClone](#)

NCBI Accession: [NM\\_013105](#), [NP\\_037237](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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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<sub>2</sub>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<sub>2</sub>O, store at -20 °C.

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## Handling

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Expiry Date: 12 months

## Publications

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