

Datasheet for ABIN3364638

Rat PKM cDNA Clone in Mammalian Expression Vector (Myc-DYKDDDDK Tag)

Overview

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

Product Details

Purpose:	Untagged full-length cDNA clone from Rat Pkm is ideal for over-expression of native protein for functional studies.
Brand:	TrueClones®
Insert Length:	1596 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. • These cDNA clones are ideal for over-expression of native proteins for functional studies. Provided as 10 µg transfection-ready plasmids.

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Product Details

- 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'GGACTTTCCAAAATGTCTG 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: PKM

Alternative Name: Pkm ([PKM Products](#))

Background: M1 and M2 isozymes of pyruvate kinase, catalyzes the conversion of ATP and pyruvate to ADP and phosphoenolpyruvate in glycolysis [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. RN215697 has not yet been cited specifically in any publications.[Click to view all citations of TrueClone](#)

NCBI Accession: [NM_053297](#), [NP_445749](#)

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

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Publications

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