

# Product Datasheet

## Mitochondrial DNA Isolation DNA Purification Kit KA0895

Unit Size: 1 Kit

Store at -20C.

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**KA0895****Mitochondrial DNA Isolation DNA Purification Kit****Product Information**

<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at -20C.

**Product Description**

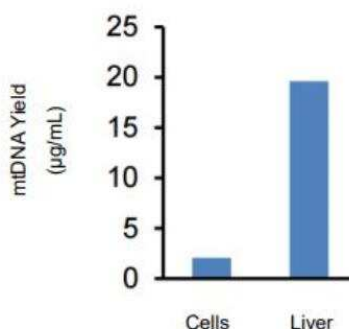
<b>Description</b>	Mitochondrial DNA Isolation Kit is used for isolating mtDNA from a variety of cells.
<b>Species</b>	Human, Mouse, Rat, Drosophila, Insect, Mammal
<b>Reactivity Notes</b>	Mammal mitochondrial DNA. Suitable on mammal cells and tissues. Reacts with Dragonfly.
<b>Kit Components</b>	5X Cytosol Extraction Buffer, Mitochondrial Lysis Buffer, Enzyme B Mix (lyophilized), TE Buffer
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Suitable Sample Type</b>	Cell

**Product Application Details**

<b>Applications</b>	Functional
<b>Recommended Dilutions</b>	Functional
<b>Application Notes</b>	Useful in DNA isolation and Genome Sequencing.

**Images**

Mitochondrial DNA Isolation DNA Purification Kit [KA0895] - Mitochondrial DNA was isolated from HeLa cells (5 x 10<sup>6</sup>) and rat liver (~50 mg) according to the kit protocol. DNA was measured using Nanodrop at 260 nm.



## Publications

Yong HS, Song SL, Lim PE et al. Complete mitochondrial genome and phylogeny of *Microhyla butleri* (Amphibia: Anura: Microhylidae). *Mitochondrial DNA B Resour* 2021-01-21 [PMID: 33473443]

Yuan G, Yang S, Liu M, Yang S RGS12 is required for the maintenance of mitochondrial function during skeletal development *Cell discovery* 2020-09-01 [PMID: 32922858]

Schmid JA, Berti M, Walser F et al. Histone Ubiquitination by the DNA Damage Response Is Required for Efficient DNA Replication in Unperturbed S Phase. *Mol Cell* 2018-08-16 [PMID: 30122534]

Yong HS, Song SL, Suana IW et al. Complete mitochondrial genome of *Orthetrum* dragonflies and molecular phylogeny of Odonata. *Biochemical Systematics and Ecology* Sep 10 2016 12:00AM

Hoi-Sen Yong HS, Song SL, Lim PE et al. Complete mitochondrial genome of *Eurema blanda* and phylogenetic relationship with its congener *E. hecabe* and other pierid butterflies. *Meta Gene* Aug 12 2016 12:00AM

Hoi-Sen Yong HS, Song SL, Lim PE et al. Complete mitochondrial genome of *Eurema blanda* and phylogenetic relationship with its congener *E. hecabe* and other pierid butterflies. *Meta Gene* 2016-08-12 (Insect)

Yong HS, Song SL, Lim PE et al. Complete Mitochondrial Genome of Three *Bactrocera* Fruit Flies of Subgenus *Bactrocera* (Diptera: Tephritidae) and Their Phylogenetic Implications. *PLoS One* 2016-02-03 [PMID: 26840430]

Gao X, Campian JL, Qian M et al. Mitochondrial DNA damage in iron overload. *J Biol Chem.* 2009-02-20 [PMID: 19095657]





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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