cDNA Library, *Xenopus* Oocyte

Product code	02-711
Size	500 ng
Storage	-20℃
Product Description	This cDNA library (plasmid DNA) is constructed from *Xenopus laevis* oocyte-derived poly(A)$^+$ RNA by the Linker-Primer method (Ref.1) by Professor Hiroshi Nojima of Research Institute for Microbial Diseases, Osaka University. This library is unidirectionally cloned by using the oligo $(dT)_{18}$ linker primer which contains the restriction enzyme site of *Not* I, and *Bam*HI (*Bgl* II)-*Sma* I adaptor. The pBA2 vector used in this library has pUC ori which enables replication in *E. coli* and Amp^r as a selection marker.
Concentration	40 ng/μl
Buffer	10 mM Tris-HCl-1mM EDTA (pH 7.5)
Quality	1. Number of independent clones: 1.1 x 10^6 2. Average insert size : longer than 1 kb
Application	PCR screening of known or unknown gene: Prepare the primers for the known or unknown gene (cDNA) and amplify the gene by PCR from this library followed by cloning to an appropriate vector. It is useful for large-scale protein productions, and preparation of probes, etc. Standard amplifying conditions: 35 cycles of PCR reactions using 10-100 ng of cDNA as a template. (Change the quantity of template and the number of cycles depending on the expression level of mRNA of the particular gene.)
References	1. Kobori M *et al* " Large scale isolation of osteoclast-specific genes by an improved method involving the preparation of a subtracted cDNA library." *Genes Cells* **3**: 459-475 (1998) PMID: 9753427 2. Sambrook J and Russell DW *Molecular Cloning* Chapter 11 "Preparation of cDNA libraries and gene identification." CSHL Press (2001)
Note	* This library is to be used only by the purchaser. It is not allowed to amplify and transfer the library to a third person. * Related products: human tissue specific cDNA libraries and cDNA libraries of model organisms (See HP).

BioAcademia,Inc. Tel. 81-6-6877-2335 Fax. 81-6-6877-2336 info@bioacademia.co.jp https://www.bioacademia.co.jp/en/