

cDNA Library, Human Brain, Thalamus

Code No. 9527 **Size:** **5 μ g**
Conc.: **200 μ g/ml**

* 2 years from date of receipt under proper storage conditions.

Description:

This cDNA library is constructed according to a method based on Gubler and Hoffman procedure [*Gene* (1983) **25**: 263-269]. This library is unidirectionally cloned by using oligo (dT)₁₈ Linker Primer which contains the restriction enzyme site of *Not* I and *Bam*HI (*Bgl*II) -*Sma*I Adaptor. Prior to cloning, low molecular weight cDNA (less than 300 bp) is almost removed by size fractionation. As the library is amplified once on solid medium plate, it keeps its original library. Plasmid DNA is purified from amplified library with a plasmid extraction kit.

Application:

PCR screening of known or unknown cDNA

Supplied form:

10 mM Tris-HCl (pH 8.0)
1 mM EDTA

Storage: -20°C

Cloning vector:

The pAP3neo vector used in this library can express in mammalian cells as it contains SV40 promoter. Also it contains f1 ori which is necessary for synthesis of ssDNA, and T7 and T3 RNA polymerase promoter for RNA synthesis.

GenBank Accession No. AB003468

Cloning site:

The cloning site is *Bgl*II* / *Not*I.

* The *Bgl*II site was destroyed after cloning of Insert cDNA using *Bam*HI (*Bgl*II) -*Sma*I adaptor.

mRNA Source/ Quality Control Data:

Please see the Certificate of Analysis (CoA) for each lot. You can download the CoA on Takara Bio website.

Purity:

E. coli genomic DNA may be present in this library because this product is extracted with a commercial plasmid extraction kit.

Note:

E. coli tRNA used in preparation of this library is almost removed by size fractionation. Dr. GentLE® Precipitation Carrier (Cat. #9094) is used as a coprecipitant.

Reference:

- 1) Gubler U and Hoffman B.J. *Gene*. (1983) **25**: 263-269.
- 2) Kobori M, Ikeda Y, Nara H, Kato M, Kumegawa M, Nojima H, and Kawashima H. *Genes To Cells*. (1998) **3**: 459-475.

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Note

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