

# Product Information

## cDNA Normalization Kit

Cat. No.: **HN-0125-TT20**

This product is for research use only and is not intended for diagnostic use.

### Product Overview

This kit performs cDNA normalization based on double stranded specific nucleases. The principle is based on the dynamics of nucleic acid hybridization and the unique properties of double stranded (ds) DNA bispecific nucleases (DSN). Due to the thermal stability of DSN, the degradation of dsDNA occurs under cDNA refolding conditions, which can prevent the formation of secondary structures and non-specific hybridization involving single stranded (ss) cDNA fragments. During the refolding process, high abundance genes are more effectively transformed into double stranded cDNA. In this way, two parts are clearly formed: the high abundance cDNA part and the normalized single stranded cDNA. Then, the double stranded cDNA is degraded by DSN, and the remaining homogenized single stranded cDNA is amplified by PCR. Normalized cDNA can be used for library cloning or sequencing.

### Applications

Yeast hybrid library preparation

### Content

DSN  
4×Hybridization buffer  
10×DSN Reaction buffer  
2×DSN Stop buffer

### Size

10T

### Storage

-20°C