

Product Information

NMY51 Yeast 2 Hybrid Interaction Validation Kit

Cat. No.: **HN-1224-TT4**

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

Product Overview

The NMY51 yeast hybrid system is based on the DUAL Membrane system, with appropriate modifications by immobilizing cytoplasmic proteins (or nucleoproteins) onto the membrane through a small membrane protein (yeast ER protein Ost4) for easy detection.

Firstly, the N-terminus of Bait protein (Bait-Cub-LexiA-VP16) is fused with a small membrane anchor protein (Ost4) to form a fusion protein (Ost4-Bait-Cub-LexiA-VP16). Then, the target protein is fused to the N-terminus of the ubiquitin NubG moiety. If there is an interaction between bait and prey, it promotes the proximity of the NubG and Cub of ubiquitin, resulting in the reconstruction of separated ubiquitin and recognition by UBPs, leading to the dissociation of LexA-VP16 into the nucleus and activation of reporter gene transcription.

Applications

Protein interaction test

Content

Culture Medium
Self-activation inhibitor
BD plasmid, AD plasmid
Control plasmids
Competent cell

Size

1Set

Storage

Please refer to the manual.