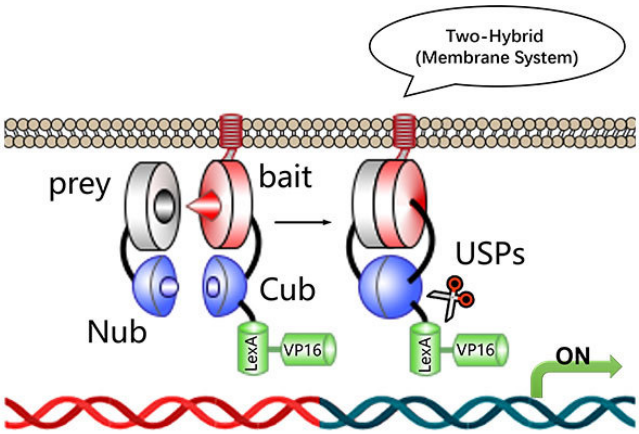
Yeast Two-Hybrid (Membrane System) Vector Kit

Catalog Number
RY8010

Storage:
Transport at Room Temperature.
After the primers are dissolved and stored at 4°C.
It is recommended to activate the strain on YPDA medium immediately upon receipt.
For long-term storage, it is recommended to prepare a glycerol stock (in 15% glycerol) for the activated strain and store at –80°C.
Store Plasmid at -20°C for long-term storage.

Product Description
DUAL membrane system designed to identify interactions involving integral membrane proteins or membrane-associated proteins is derived from Dualsystems Biotech AG.
Designed to detect novel interaction partners for membrane proteins, the DUAL membrane System can be used to detect pairwise protein interactions, identify novel protein interactions by cDNA library screening, investigate ternary complexes, and map interaction domains. Scientific studies involved include membrane protein-membrane protein or membrane protein-soluble protein interaction, screening of expression library, and verification of the interaction relationship between two known proteins (one of them is a membrane protein).



Components

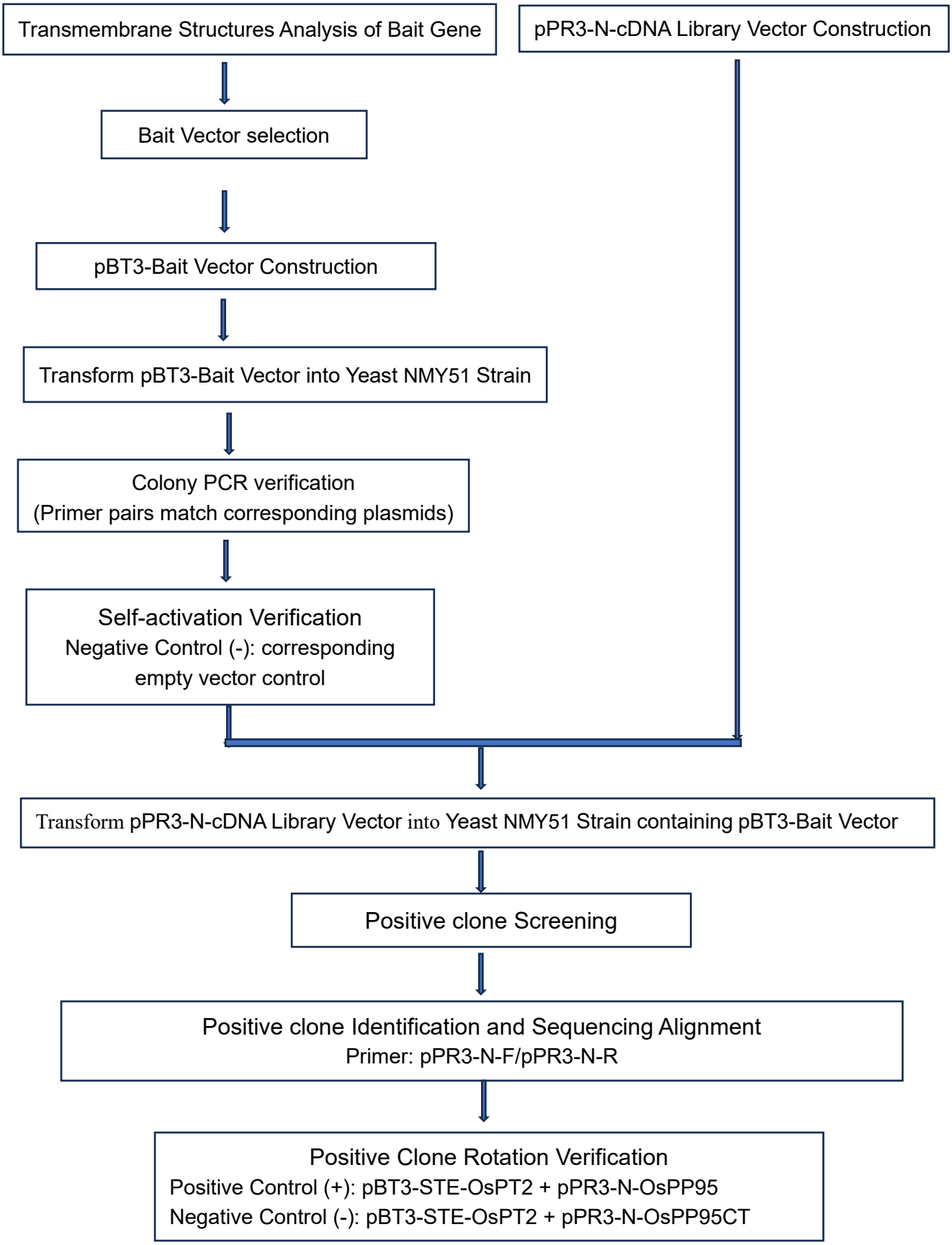
Components	Forms	Size
NMY51 Strain	Solid culture medium	One plate (diameter: 9 cm)
pPR3-N Plasmid	Liquid	2 ug （20ul,100ng/ul)
pBT3-STE Plasmid	Liquid	2 ug （20ul,100ng/ul)
pBT3-SUC Plasmid	Liquid	2 ug （20ul,100ng/ul)

pBT3-N Plasmid	Liquid	2 ug（20ul,100ng/ul)
pBT3-C Plasmid	Liquid	2 ug（20ul,100ng/ul)
pBT3-STE-OsPT2 Plasmid	Liquid	2 ug（20ul,100ng/ul)
pPR3-N-OsPP95 Plasmid	Liquid	2 ug（20ul,100ng/ul)
pPR3-N-OsPP95CT Plasmid	Liquid	2 ug（20ul,100ng/ul)
pPR3-N-F	Lyophilized powder	2 OD
pPR3-N-R	Lyophilized powder	2 OD
pBT3-SUC/STE-F	Lyophilized powder	2 OD
pBT3-SUC/STE-R	Lyophilized powder	2 OD
pBT3-N-F	Lyophilized powder	2 OD
pBT3-N-R	Lyophilized powder	2 OD
pBT3-C-F	Lyophilized powder	2 OD
pBT3-C-R	Lyophilized powder	2 OD

Primer Information:

Primer Name	Sequence	Applicable Vector
pPR3-N-F	CGGTAAAACCGGAACATTGGA	pPR3-N
pPR3-N-R	ACTTCAGGTTGTCTAACTCCT	
pBT3-SUC/STE-F	TGGCATGCATGTGCTCTG	pBT3-SUC
pBT3-SUC/STE-R	GTAAGGTGGACTCCTTCT	pBT3-STE
pBT3-N-F	CAGAAGGAGTCCACCTTAC	pBT3-N
pBT3-N-R	AAGCGTGACATAACTAATTAC	
pBT3-C-F	TATAAAACTCTTGTTTTCTTC	pBT3-C
pBT3-C-R	GGTGGACTCCTTCTGAATGTT	

Experiment Process



Bait Vector Selection

N-terminal	C-terminal	Vector
Intracellular	Extracellular	pBT3-N
Extracellular with signal peptide	Intracellular	pBT3-SUC
Extracellular without signal peptide	Intracellular	pBT3-STE
Intracellular	Intracellular	pBT3-N or pBT3-STE

The selection of plasmids is to ensure the VP16 expression in the cell.

If both the N-terminal and C-terminal of the bait protein are located extracellularly, shorten the gene length to make C-terminus of the Bait protein appears intracellularly, and then select the corresponding vector.

If both N-terminal and C-terminal of the bait protein are located intracellularly, and there is on signal peptide, It is recommended to select pBT3-STE Vector. Because there probably is a transmembrane structure between N-terminal and C-terminal.

Related product:

Yeast Colony Rapid Detection Kit Catalog No.: RY8001