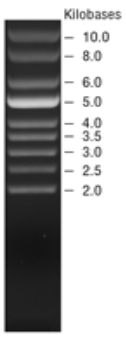
Gene Engineering Division
RIKEN BioResource Research Center

RIKEN DNA BANK

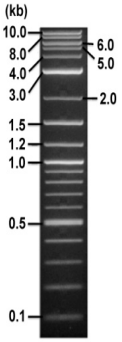
clone name : Mermaid2

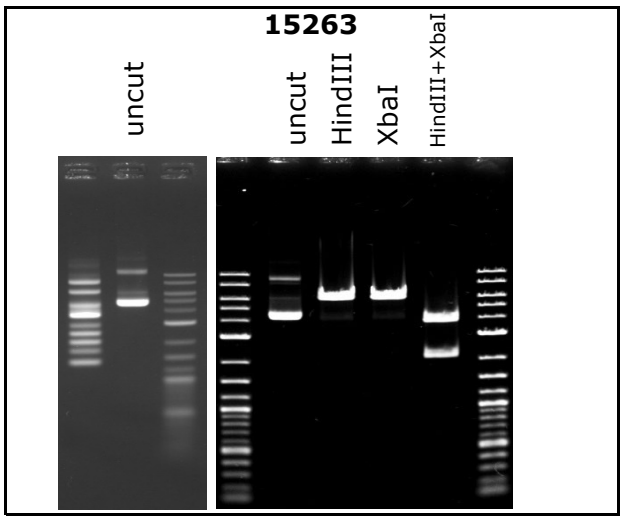
- **Clone ID** : RDB _ 15263
- **Lot** : 15263 _ B0Bi
- **DNA Concentration** : 25 ng/μL
- **Volume** : 40 μL
- **Form** : DNA solution in TE buffer
- **Host** : DH5α
- **Culture** : LB medium
- **Antibiotics** : 100 μg/mL Ampicillin
- **Purification** : QIAGEN QIAprep Spin Miniprep kit
- **Digestion by restriction enzyme**

Supercoiled DNA Ladder (NEB#N0472S)



1 kb Plus DNA Ladder (NEB#N3200L)





Electrophoresis : 100 ng DNA per lane ; 1% agarose gel , 1 x TAE Buffer

Restriction enzyme		Expected size of fragment	
HindIII	:	**6.3**	kbp
XbaI	:	**6.3**	kbp
HindIII+XbaI	:	**4.0, 2.2**	kbp
	:		kbp

GED, RIKEN BRC, Jan. 22 2025