

BioneerHealthier Future for
Humanity with
Genomic Technology

S. pombe Deletion Mutant Library from Bioneer

The world's first *S. pombe* Genome-wide Deletion Mutant Library

Did you know that ***S. pombe* genome** resembles human mostly in its genetic structure?

Table below displays Exon/Intron ratios Comparison.*

Percentage (%) to Total Genome	Exon	Intron
Human	53.0	47.0
<i>S. pombe</i>	52.4	47.6
<i>S. cerevisiae</i>	94.9	5.1

Features & Benefits

- Co-developed by Dr. Paul Nurse's Team in CRC**, KRIBB*** & BIONEER
- Coverage of 98% (diploid) and 96% (haploid)
- Genome-wide suitable for gene function study
- Physiological processes are similar to mammals and humans
- Contains human cancer genes with great homology
- Rapid cell cycle – simple, fast and convenient to do analysis

*References: Human – In Silico Biology 4, 32 (2004)

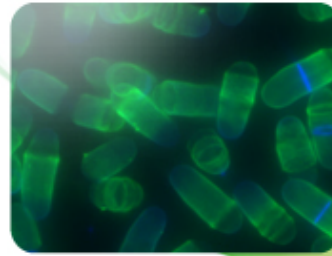
• *S. pombe* – PomBase on 4/25/2002, Nature 415, 871 (2002)• *S. cerevisiae* – SGD site on 7/30/2009, Nature 415, 871 (2002)

** CRC (Cancer Research Center), U.K.

*** KRIBB (Korea Research Institute of Bioscience and Biotechnology)

Applications

- Large-scale genetic functional analysis
 - Recessive mutant type: Phenotype analysis
 - Function complementation test
 - Gene's biological mass function
- Identification & verification of drug target
- Integrated cell function research



Ordering Information

<https://eng.bioneer.com/pombe-customorder.html>

Cat. No.	Product Description
<i>S. pombe</i> Deletion Mutant Individual Strains	
M-1010D-A	<i>S. pombe</i> Individual Heterozygous Diploid Deletion Mutant Strains, Agar type
M-1010D-G	<i>S. pombe</i> Individual Heterozygous Diploid Deletion Mutant Strains, Glycerol type
M-1010H-A	<i>S. pombe</i> Individual Haploid Deletion Mutant Strains, Agar type
M-1010H-G	<i>S. pombe</i> Individual Haploid Deletion Mutant Strains, Glycerol type
<i>S. pombe</i> Deletion Mutant Set	
M-5030H-LT	<i>S. pombe</i> Haploid Deletion Mutant Set ver 5.0 Life Time, 36 plates (96-well)
M-5030H-5Y	<i>S. pombe</i> Haploid Deletion Mutant Set ver 5.0 5Y License, 36 plates (96-well)
<i>S. pombe</i> Related Item	
M-3030P	AccuOligo® <i>S. pombe</i> Validation Primer Set ver 3.0, 72 plates (96-well)
M-3030P-U4	<i>S. pombe</i> Validation Primer ver 3.0 to ver 4.0 Upgrade Pkg, 6 plates (96-well)
M-3030P-U5	<i>S. pombe</i> Validation Primer ver 3.0 to ver 5.0 Upgrade Pkg, 20 plates (96-well)
M-1030-D	<i>S. pombe</i> Genomic DNA, 5 x 0.2 ml

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