

SureSelect

Kinase Biomarker Discovery...Made Surely Better

Agilent SureSelect Human Kinome Kit

The SureSelect Human Kinome Kit enables you to focus your next-generation sequencing studies on expressed kinases, a rich, proven source of biomarkers. Kinases have been implicated in a number of disease states, including cancer.

Our new Human Kinome kit targets 3.2 Mb of the genome for coverage of greater than 500 known kinases plus a number of cancer genes, 612 genes in total, and their associated untranslated regions. This multiplexed kit saves precious time and money as well as fits seamlessly into next-generation sequencing protocols for both the Illumina and SOLiD systems.

- Target over 500 kinases using NGS to accelerate path to discovery
- Focused design enables deep sequencing of complex tumor populations
- Easy protocol with minimal hybridization times
- Achieve high coverage depth and multiplexing levels with targeted design

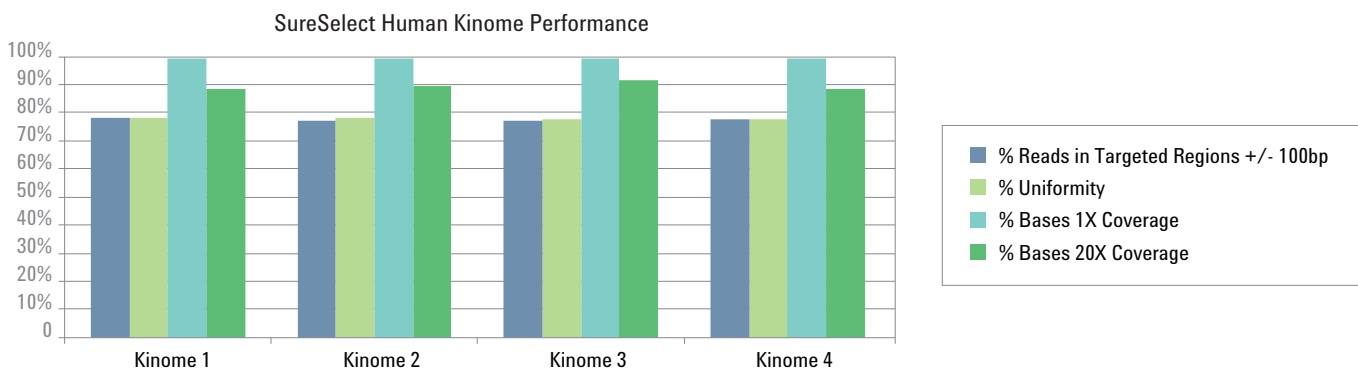
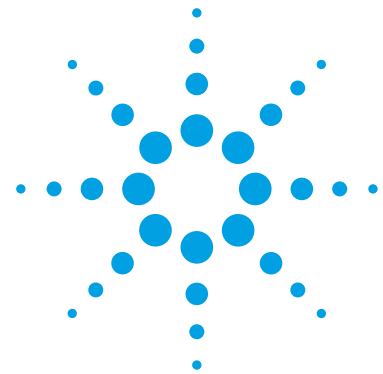


Figure 1. Target kinase genes with a high degree of efficiency. The SureSelect Human Kinome Kit is highly reproducible across a variety of samples providing excellent coverage depth to accurately call SNPs. Data shown represents four samples multiplexed in a single Illumina GA II lane.



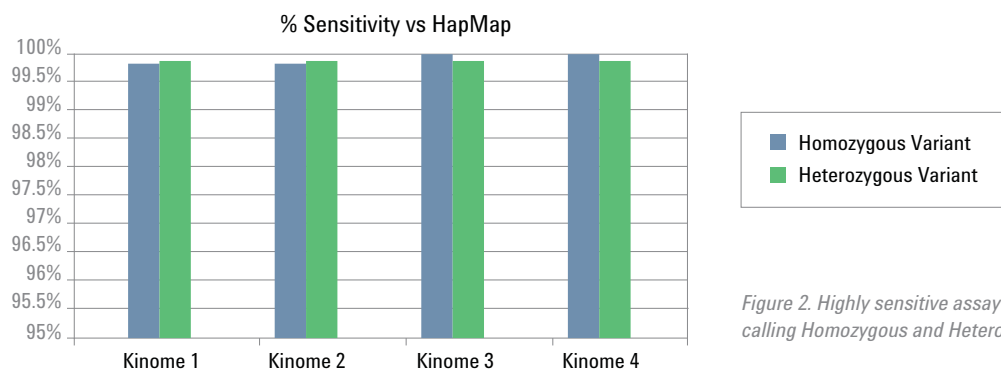


Figure 2. Highly sensitive assay with greater than 99.5% efficiency in calling Homozygous and Heterozygous genotypes

SureSelect Human Kinome Kit Contents

- 517 Putative Kinases
- 12 PI3K Domain-containing Genes
- 13 Diglyceride Kinases
- 6 PI3K Regulatory Components
- 9 Inositol Polyphosphate Kinases
- 9 PIP4/PIP5 Kinases
- 46 Cancer Related Genes
- Associated Untranslated Regions (UTRs)

SureSelect Human Kinome Kit Products

Reactions/Kit	Part Number	Illumina GA Option Code	SOLiD Option Code
5	G3365A	001	002
10	G3365B	001	002
25	G3365C	001	002
50	G3365D	001	002
100	G3365E	001	002
250	G3365F	001	002
500	G3365G	001	002
1000	G3365H	001	002
2000	G3365J	001	002
5000	G3365K	001	002
10000	G3365L	001	002

SureSelect AB Barcode Adaptor Kits — required for use with SOLiD platform

Number of Reactions	Part Number
10 x 16 barcodes, 160 reactions	G3367A
25 x 16 barcodes, 400 reactions	G3368A
50 x 16 barcodes, 800 reactions	G3369A

www.agilent.com/genomics/sureselect

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