

HomExon[®] V3 Panel For Human Whole Exome Sequencing

V202603

Based on targeted capture technology (ProbeCap[®]) using biotin-probes, the company of Homgen has designed the Human Exome Capture Kit (HomExon V3 Series Panel). It can meet the gene testing needs of different application scenarios such as genetic disease screening, tumor gene testing, and disease scientific research.

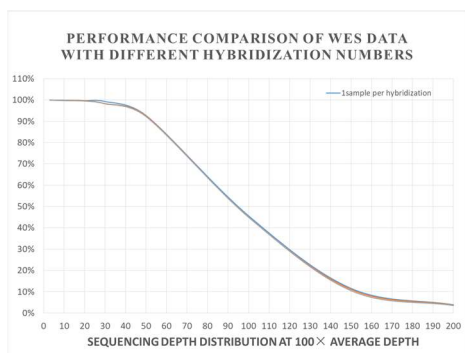
Product Specifications

DATABASE	GENOME VERSION	PROBE TYPE	CAPTURE EFFICIENCY	0.2X UNIFORMITY	CNV
RefSeq/GENECODE, etc.	hg19/hg38	ssDNA	>80%	>99%	10,000 SNPs
COVERED	TARGET REGION	PROBE REGION	NUMBER OF GENES	NUMBER OF REGION	NUMBER OF PROBES
All CDS Regions	37M	40M	~20,000	~200,000	>4,000,000

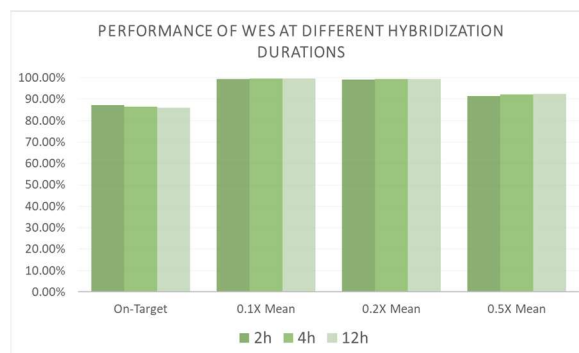
Additional Modules: Full-length mitochondria, Fusion gene introns, MSI, Chemotherapy, HLA genes, Whole-genome SNP framework, COSMIC/ClinVar intronic L/P sites, snRNAs such as RNU2-2, DMD, HBA, Pharmacogenomic gene sites for psychiatry/ophthalmology, etc.

Modules can be customized/encrypted as needed, and sites can also be upgraded based on proprietary databases.

HomExon[®] V3 Panel performance (NA17828)



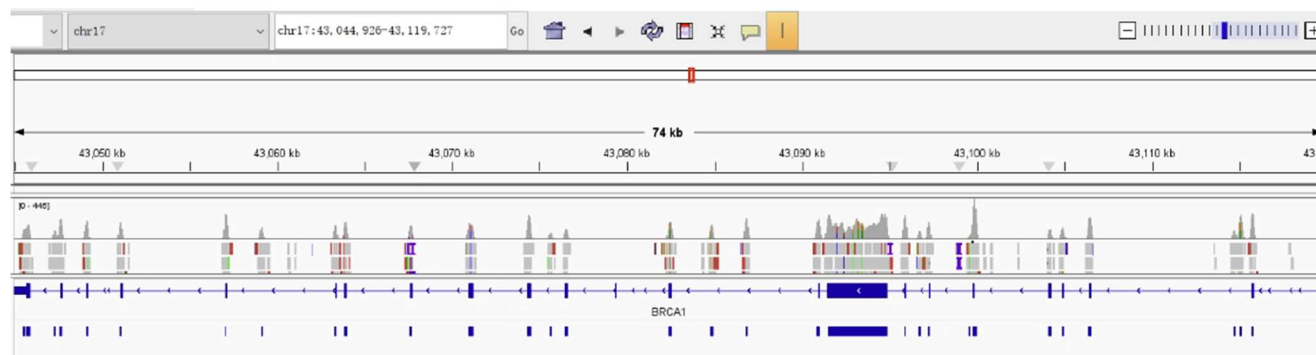
Excellent uniformity performance



High capture efficiency, supports 2-hour rapid hybridization

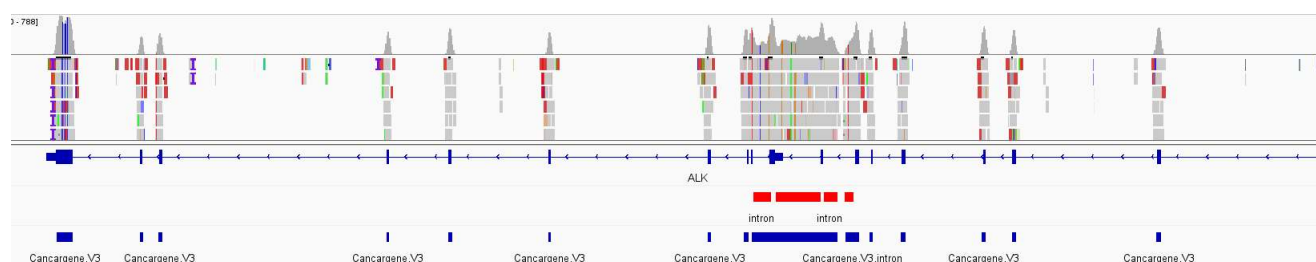
The BRCA1

The HomExon V3 Panel covers all exon regions, and can capture $\pm 20\text{bp}$ of the exons. Special regions are densely and have deeper coverage.



The ALK

The HomExon V3 For Cancer Panel covers the exonic regions, allowing effective capture of gene exons, while also covering relevant intronic regions to facilitate the detection of fusion mutations. The sequencing depth of the gene coding regions is higher than the average depth of all exons.



Product Order

NAME	PRODUCT NO.	SPECIFICATIONS	STORAGE	DELIVERY
HomExonV3 Panel (Probe)	P10030-12/96	12/96 rxns	-20°C 2 Years	In stock
HomExonV3 Panel For Cancer (Probe)	P10030T-12/96	12/96 rxns	-20°C 2 Years	In stock
HomExonV3 add10KSNP Panel (Probe)	P10030CNV-12/96	12/96 rxns	-20°C 2 Years	In stock
Hybridization reagents (include Wash buffer, POST-PCR, Blocker, SA Beads)	P10008-12/96	12/96 rxns	-20~4 °C 2 Years	In stock

The whole exome kits (HomExon ® V3 Panel) can support different sequencing platforms Libray (illumina Lib /MGI Lib). If you want to get test kits and region bed, demo data, please contact us.