

Comprehensive whole exome sequencing

The xGen™ Exome Hyb Panel v2 is designed with a target-aware algorithm that minimizes off-target binding while maximizing coverage of coding regions. When combined with the xGen Exome v2 Hyb Spike-in Panel, the result is best-in-class coverage across key databases—helping you confidently capture the most critical genomic targets



Cover all your regions of interest in the exome for inherited disease research



Optimized for use together, the Exome v2 Hyb Panel and Spike-in Panel together deliver peak performance



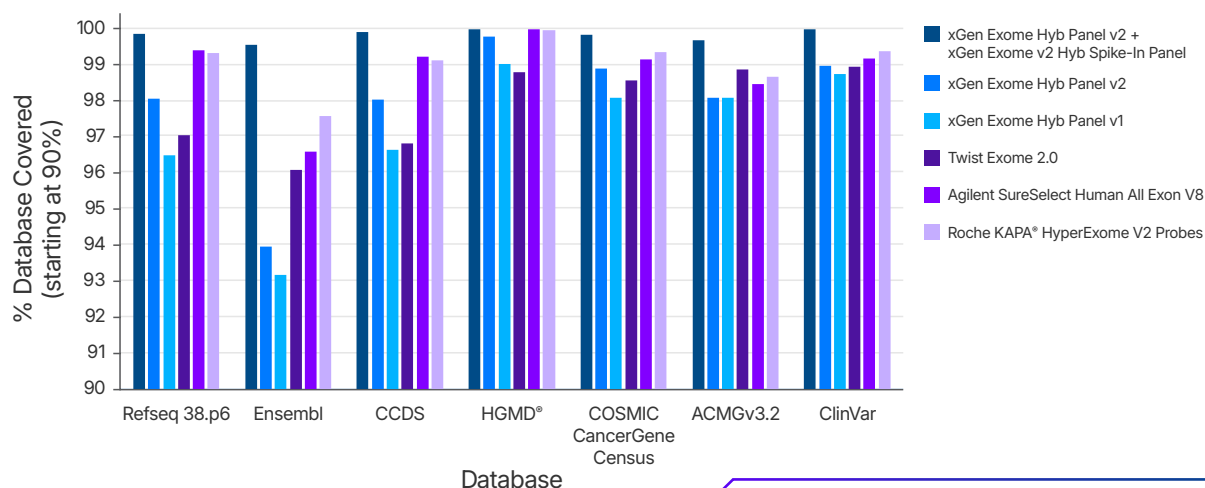
Build with flexibility for your unique needs



Require more coverage? Our experts quickly design extra probes to meet your goals

The xGen Exome Hyb Panel v2 includes **415,115 individually synthesized 5' biotinylated probes**, and the xGen Exome v2 Hyb Spike-in Panel adds 47,390 additional probes—each quality-tested and pooled at precise concentrations for consistent performance.

- **Individually synthesized probes** provide accurate representation and consistent quality across batches.
- **Higher on-target rate** compared to leading array-based competitors due to probe-level quality control.



xGen Exome Hyb Panel v2 with xGen Exome v2 Hyb Spike in Panel provides best-in-class coverage of the most up to date (as of September 12, 2025) versions of critical human exome data bases. When compared to other epanels on the market the combined xGen Exome panels provides 4% better coverage in at least one database—ensuring you capture the most relevant genomic regions for your research.

Expanded coverage when combining both panels, capturing critical targets across:

- RefSeq 38.p6
- Ensembl
- CCDS
- HGMD®
- COSMIC Cancer Gene Census
- ACMG v3.2
- ClinVar

This combination delivers comprehensive coverage for exome discovery research, ensuring your sequencing captures the most relevant genomic regions.

Ordering information

| Product name | Sizes available | Catalog # |
|---|-----------------|-----------|
| xGen Exome Hyb Panel v2, 16 rxn | 16 rxn | 10005152 |
| xGen Exome v2 Hyb Spike-In Panel, 16rxn | 16 rxn | 10030779 |
| xGen Exome Hyb Panel v2, 96 rxn | 96 rxn | 10005153 |
| xGen Exome v2 Hyb Spike-In Panel, 96rxn | 96 rxn | 10030780 |

Trusted Expertise at Every Step

Backed by decades of genomics innovation, Integrated DNA Technologies is your partner to accelerate your discoveries. Our teams are here to help you optimize workflows and achieve confident results.



For more information, scan the QR code or visit idtdna.com/exome



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