HyperDesign Tool

for Designing Target Enrichment in Next Generation Sequencing

Roche

Quality in, confidence out

Probe and primer design is a critical first step in the NGS target enrichment process. An optimal design can unlock difficult genomic regions, deliver uniform capture, and provide better coverage of your target regions. The **HyperDesign Tool** features an intuitive user-friendly interface that makes it easy to create custom KAPA HyperCap Probe and KAPA HyperPETE Primer designs using Roche's proprietary algorithm. Researchers now have the freedom to start from gene names, commonly used sequence identifiers, or genomic coordinates.

Why choose the HyperDesign Tool?

Optimal probe and primer selection

Roche's design algorithm selects the right probes or primers for your variant discovery research to provide more comprehensive coverage of target areas.
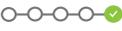
Exceptionally user-friendly

Easily create one or multiple designs in parallel with an intuitive interface and navigation. Receive selection results quickly and access designs 24/7.

Flexible input methods

The HyperDesign Tool lets you upload gene names and bed files, input genomic coordinates manually, or choose from a broad list of commonly used gene identifiers.

Create an **optimized design** without being an expert designer.

1   Sign up in the online HyperDesign Tool.

2   Specify your design details in **5 easy steps**.

3   Order and receive your custom panels and related reagents based on catalog numbers emailed to you.

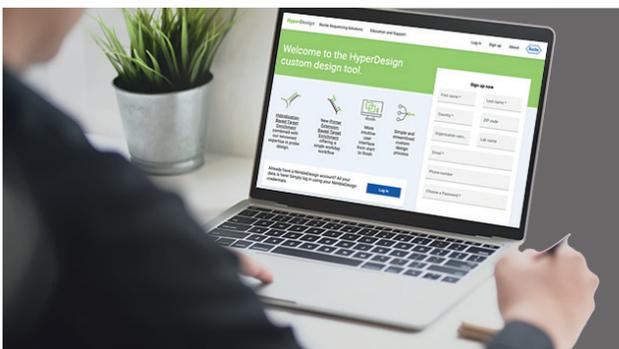## Target difficult, previously inaccessible genomic regions

The HyperDesign Tool provides greater total coverage with optimal probe or primer selection using Roche's proprietary algorithm. Now, you can easily design your own custom panel or collaborate with our expert designers.

More input options, more control

Easily input data manually, or simply upload information from a wide range of formats. You can also add data files from a range of external platforms like FTPs or weblinks.

Enjoy a user-friendly experience

HyperDesign Tool's highly intuitive user interface provides tips at each step to simplify the custom panel design process. Move back and forth between steps without losing data and directly access designer support as needed.

Learn more at
www.hyperdesign.com

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