



next generation sequencing

## rhAmpSeq Design Tool

Enabling rapid discovery by accelerating the design process

The rhAmpSeq system enables highly accurate amplicon sequencing on Illumina® next generation sequencing platforms. Our proprietary RNase H2-dependent PCR technique generates NGS-ready amplicon libraries for targeted resequencing, and now we have a tool to make it easy to do yourself, reducing turnaround time even more.

### Highlights

- Select hotspot genotyping or CRISPR gene editing applications
- Design and order without our help, any time of day
- Speedy QC check validates your sequences
- Create custom panels, up to 5000 targets
- Advanced settings can be enabled for experienced users

custom oligos • qPCR • next generation sequencing • RNAi • genes & gene fragments • CRISPR genome editing

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The screenshot shows the web interface for the rhAmpSeq Design Tool. At the top left is the IDT logo (Integrated DNA Technologies). A search bar is located at the top center. On the top right, there are links for 'GET HELP', 'RHAMPSEQ BETA', and a shopping cart icon showing '0 ITEMS \$0.00'. Below the header is a navigation menu with 'PRODUCTS & SERVICES', 'SUPPORT & EDUCATION', 'TOOLS', and 'COMPANY'. The main heading is 'rhAmpSeq Design Tool'. A welcome message follows: 'Welcome to the IDT custom rhAmpSeq design tool. If you encounter any questions while using the tool, contact applicationsupport@idtdna.com. If you don't see what you're looking for, submit a request to the rhAmpSeq Custom Design Service here.' Below this are three tabs: 'Create new design' (active), 'Review design results', and 'Dashboard'. The 'Create new design' section contains several input fields: 'Application' (dropdown), 'Input format' (dropdown with 'Coordinates (BED)' selected), 'Species' (dropdown with 'Homo sapiens (human) GRCh38 (hg38)' selected), 'Minimum insert size' (text input), 'Maximum insert size' (text input), and 'Panel name' (text input). To the right of these fields are 'DESIGN' and 'CLEAR' buttons. Below the fields is an 'Email address' field with the value 'customrhampseq@idtdna.com'. At the bottom left of the form is a 'SHOW ADVANCED PARAMETERS' button. A 'Paste/Type input' section is also visible, with an 'Upload file' button and a text area containing 'chr7 12345 12365'.

For more information and to order, visit [www.idtdna.com/rhAmpSeqDesignTool](http://www.idtdna.com/rhAmpSeqDesignTool)

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