Lot: 0006268891

Catalog Number: 930689
Product Name: Herculase II Fusion DNA Polymerase, 30,000 Reaction Kit
Expiration Date: 2017-04-30
Quantity: See Materials Provided, below
Certified By: Dana Faver
Quality Controlled By: Tricia Molina
Shipping Conditions: Shipped on dry ice.
Storage Conditions: Store at -20°C upon receipt.

Materials Provided
Herculase II Fusion DNA Polymerase: 30 ml
5× Herculase II Fusion DNA Polymerase Buffer: 9 × 50 ml
Dimethyl Sulfoxide (DMSO): 2 × 37.5 ml
100 mM dNTP: 15 ml

Description
In Agilent's Herculase II fusion DNA polymerase, we have dramatically increased processivity by fusing our Pfu-based DNA polymerase with a high affinity double-stranded DNA binding domain. Enhanced processivity and the inclusion of our exclusive ArchaeMaxx PCR enhancing factor make it ideal for routine PCR applications that demand superior yield and excellent reliability, with shorter cycling times. Herculase II fusion DNA polymerase provides accuracy comparable to Pfu DNA polymerase. Moreover, the special enzyme formulation and optimized buffer system ensure robust performance when amplifying difficult and GC-rich targets.

5X Reaction Buffer
Use only the provided 5× Herculase II fusion DNA polymerase buffer. Changing the reaction buffer may adversely affect the yield and/or fidelity of the reaction. The 5× buffer provides a final 1× Mg²⁺ concentration of 2 mM.

Test Conditions
Herculase II fusion DNA polymerase is tested for the ability to amplify products spanning the range of 0.562-6 kb using multiple primer-template pairs of varying complexity.

Contamination Test Conditions
Herculase II fusion DNA polymerase is tested for the absence of detectable nonspecific nuclease activity and DNA contamination.

Notice to Purchaser: Limited Label License for Pfu-containing DNA Polymerase Products
This product is covered by the claims of one or more of the following U.S. Patents: 5,545,552; 5,556,772; 5,948,663; 6,183,997; 6,333,165; 6,379,553; 6,444,428. Purchase of this product conveys to the purchaser only the non-transferable right under these patents to use the product for research use only by the purchaser. No rights are granted to the purchaser hereunder to sell, modify for resale or otherwise transfer this product, either alone or as a component of another product, to any third party. Agilent reserves all other rights, and this product may not be used in any manner other than as provided herein. For information on obtaining a license to use this product for purposes other than research, please contact Agilent Technologies, Business Development, 11011 North Torrey Pines Road, La Jolla, California 92037. Phone (858) 373-6300.

Limited Product Warranty
This warranty limits our liability to replacement of this product. No other warranties of any kind, express or implied, including, without limitation, implied warranties of merchantability or fitness for a particular purpose, are provided by Agilent. Agilent shall have no liability for any direct, indirect, consequential, or incidental damages arising out of the use, the results of use, or the inability to use this product.

For research use only. Not for use in diagnostic procedures. This certificate is a declaration of analysis at the time of manufacture.

Made in USA
Agilent Technologies
1834 State Highway 71 West
Cedar Creek, TX 78612 USA

For support within the US or Canada: 1-800-227-9770-3-4
For global support: www.agilent.com/genomics/contactus