

OLIGO NAME	REF#	CHEMISTRY	BASES	
M13 Reverse (-48)	UN-PR075-005	DNA	23	
<b>SEQUENCE (5' → 3')</b>				
5' AGC-GGA-TAA-CAA-TTT-CAC-ACA-GG 3'				
<b>BACKBONE (BASES + LINKAGES)</b>				
A	9 GC (%) <sup>1</sup>	43.5	Quantity (OD@260nm)	1.18
C	5 MW (g.mol <sup>-1</sup> ) <sup>1</sup>	7065.7	(nmol)	5.0
G	5 Ext. coeff. (l.mol <sup>-1</sup> .cm <sup>-1</sup> ) <sup>1</sup>	235000	(µg)	35.3
T	4 Tm (°C) <sup>1</sup>	48.4		
Wobbles	0			
<sup>1</sup> Theoretical values				
<b>PURIFICATION(S)</b>				
HPLC-RP				
<b>QUALITY CONTROL(S)</b>				
MS - CGE				Passed

DELIVERY CONDITION
Room Temperature
RECONSTITUTION
To make up to 100 µM concentration, add 50 µl of recommended buffer. To make up to 20 µM concentration, add 250 µl of recommended buffer. To make up to 5 µM concentration, add 1000 µl of recommended buffer.
LONG TERM STORAGE
-20 °C

COMMENTS		
General: Tm (°C) calculated with 50 mM NaCl and 0 % formamide (PCR conditions) Specific:		
TECHNICAL SUPPORT		
If you have any questions feel free to call our Oligo Centre		
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>EUROPE</b>             ☎ 00 800 666 00 123 (European toll free number),            ✉ <a href="mailto:oligo@eurogentec.com">oligo@eurogentec.com</a>             Kaneka Eurogentec S.A. Liège Science Park            Rue Bois Saint-Jean 5 - 4102 SERAING BELGIUM            Tel: +32(0)4 372 74 00 - Fax: +32(0)4 264 07 88            E-mail: <a href="mailto:info@eurogentec.com">info@eurogentec.com</a> Web: <a href="http://www.eurogentec.com">www.eurogentec.com</a>             RPM Liège T.V.A.-(BE)-0427.348.346 - ING Belgique Bank - IBAN: BE86 3400 2118 6050            BIC: BBRUBEBB         </td> <td style="width: 50%; vertical-align: top;"> <b>NORTH AMERICA</b>             ☎ +1 (510) 896-1350            ✉ <a href="mailto:oligo.na@egt-biotech.com">oligo.na@egt-biotech.com</a>             EGT North America, Inc.            34801 Campus Drive - Fremont, CA 94555            Tel.: +1 (510) 896 -1350 * Fax: +1 (510) 791-9572            E-mail: <a href="mailto:ivd.na@egt-biotech.com">ivd.na@egt-biotech.com</a> * Web: <a href="http://www.egt-biotech.com">www.egt-biotech.com</a> </td> </tr> </table>	<b>EUROPE</b>  ☎ 00 800 666 00 123 (European toll free number), ✉ <a href="mailto:oligo@eurogentec.com">oligo@eurogentec.com</a>  Kaneka Eurogentec S.A. Liège Science Park Rue Bois Saint-Jean 5 - 4102 SERAING BELGIUM Tel: +32(0)4 372 74 00 - Fax: +32(0)4 264 07 88 E-mail: <a href="mailto:info@eurogentec.com">info@eurogentec.com</a> Web: <a href="http://www.eurogentec.com">www.eurogentec.com</a>  RPM Liège T.V.A.-(BE)-0427.348.346 - ING Belgique Bank - IBAN: BE86 3400 2118 6050 BIC: BBRUBEBB	<b>NORTH AMERICA</b>  ☎ +1 (510) 896-1350 ✉ <a href="mailto:oligo.na@egt-biotech.com">oligo.na@egt-biotech.com</a>  EGT North America, Inc. 34801 Campus Drive - Fremont, CA 94555 Tel.: +1 (510) 896 -1350 * Fax: +1 (510) 791-9572 E-mail: <a href="mailto:ivd.na@egt-biotech.com">ivd.na@egt-biotech.com</a> * Web: <a href="http://www.egt-biotech.com">www.egt-biotech.com</a>
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