

- V D J G F S B T F & Y Q S F T T J P O J T N P S F " D D V S B U F U  
3 F M F W B O U 0 Q D P W F J D W F J \* T N B H J O H 4 U V E Z

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<sup>4</sup>





7LOL ( 0LFKDLOOH - - &DOLQ \* \$ &DL - & :X - =KDQJ + = )DQJ / +XDQJ < <DQJ  
 ([SUHVVLQR DQG IXQFWLRQ RI PLFUR 51\$V LQ LPKSH FGRZUWBUXUQDWRUPDORUDWLV ZLWK SRRU  
 GLVHDVH VWDWH ZKHUH LW LQWHUHUHV ZLWK FHOH F\FOH UHJXODWH  
 ,QW - 0HG 6FL &DQFHU 5HV 73  
 =KDQJ + /L < /DL 0 9LGXJLULHQH - 6FKDJDW 7 \*DUYLV ' 9LGXJLV  
 7KH PLFUR51\$ QHWZRUN DQG WXPRU PHWDVWDVLV \*HWWLQJ WKH 0RVW IURP <RXU 7UDQVHFWRQV ,Q  
 &KR : & 6 &KRZ \$ 6 & \$X - 6 . 6LJQDO 1 7  
 0L5 LQKLELWV FHOH SUROLIHUVDWRQ RI KXPDO \$XUDDGFRFDFRQV E\ WDUJHVLQJ  
 (\*)5 DQG 18'7 /XFLIHUVDVH UHSRUWHU DVVD\ 3RZHUIXO DGDSWD  
 51\$ %LRO\_ 8 &HOO 1RWHV  
 ,EUDKLP \$ ) :HLUDXFK 8 7KRPDV 0 \*U\*QZHOOHU \$ +BUWDDQ05 . \$LJQU \$  
 0LFUR51\$ UHSODFHPHQW WKHUDS\ IRU PL5 DQG\*UPLHQ D\XRUHIVFDFWRXUWHDQ LPDJLQJ RI WXPR  
 PRGHO RI FRORQ FDUFLQRPD &DQFHU 5HV 71 DQJLRJHQVVLV LQ PRXVH PRGHV /DQFHW 2QFRO  
 &KL\RPDUX 7 (QRNLGD + 7DWDUDQR 6 .DZDKDUD&RU\$FKLG < &HEDKDUDP .DQWKRX & 7R]HU \* 0  
 )XMLPXUD / .LNNDZD 1 6HNL 1 1DNDJDZD 0 /LPLWDWLRQV RI WKH UHSRUWHU JUHHQ AXRUHV  
 PL5 DQG PL5 D IXQFWLRQ DV WXPRU VXSSUHFRGLWDRQV GLUHFWO\ UHJXODWH  
 )6&1 H[SUHVVLQR LQ EODGGHU FDUFHU &DQFHU 5HV 61  
 %U - &DQFHU 102 \*XR % 3HDUFH \$ 7UDXOVHQ . 5LQWDD \$ /H  
 6FKPLWWJHQ 7 ' /LYDN . - Fluorescence produced by transfection reagents can be confused with green  
 \$QDO\]LQJ UHDO WLP 3&5 GDWD E\ WKH FRPSDUDWLYH UHFRUGLQJ RWHV LQ PDPPDOLDQ FHOOV  
 (DW 3URWR 3 %LRWHFKQLTXHV  
 -DQVVRQ 0 ' /XQG \$ + &DFHUHV \* =KX ; < -LDR - =DQNLQD 5 \$OOHU  
 0LFUR51\$ DQG FDUFHU  
 0RO 2QFRQ 6  
 <DPDNXFKL 0 /RWWHUPDQ & ' %DR & +UXEDQ 5 + .DULP % 0HQGHOO  
 - 7 +XVR ' /RZHQVWHLQ & - 3 LQGXFHG PLFUR51\$ LQKLELWV +,) DQG  
 WXPRU DQJLRJHQVVLV  
 3URF 1DWO \$FDG 6FL 8 6 \$ 107