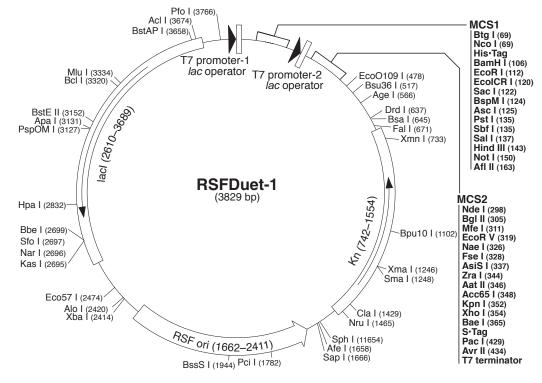
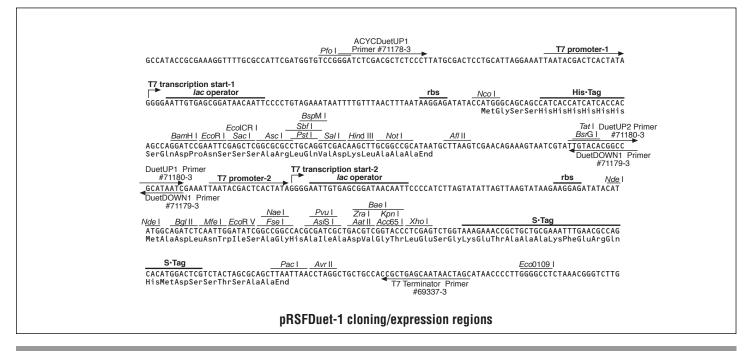


pRSFDuet-1 Vector TB391 0903

	Cat. No.
pRSFDuet-1 DNA	71341-3
pRSFDuet-1 sequence landmarks	
T7 promoter-1	3582–3598
T7 transcription start-1	1
His•Tag <sup>®</sup> coding sequence	83-100
Multiple cloning sites-1 (Nco I–Aft II)	69–168
T7 promoter-2	214 - 230
T7 transcription start-2	231
Multiple cloning sites-2 (Nde I–Avr II)	297–438
S•Tag <sup>™</sup> coding sequence	366 – 410
T7 terminator	462 – 509
kan (Kn <sup>R</sup> ) coding sequence	742 - 1554
RSF origin	1662 - 2411
lacI coding sequence	2610–3689

pRSFDuet<sup>™</sup>-1 is designed for the coexpression of two target ORFs. The vector contains two multiple cloning sites (MCS), each of which is preceded by a T7*lac* promoter and ribosome binding site (rbs). The vector also carries the RSF1030-derived RSF replicon, *lacI* gene and kanamycin resistance gene (Kn<sup>R</sup>). This vector can be used in combination with pACYCDuet<sup>™</sup>-1 (Cat. No. 71147-3), pCDFDuet<sup>™</sup>-1 (Cat. Np. 71340-3), and pETDuet<sup>™</sup>-1 (Cat. No. 71146-3) in an appropriate host strain for the coexpression of 4 to 8 target proteins. ORFs inserted into MCS1 can be sequenced using the ACYCDuetUP1 Primer (Cat. No. 71178-3) and DuetDOWN1 Primer (Cat. No. 71179-3). ORFs inserted into MCS2 can be sequenced using the DuetUP2 Primer (Cat. No. 71180-3) and T7 Terminator Primer (Cat. No. 69337-3). Unique sites are shown on the circle map.







## **pRSFDuet-1 Restriction Sites**

TB391 0903

Styling   Styl	Enzumo	# Citoo	Locati	iono				Enzumo	# Citor	Longt	iono								
Access         1         88         1         11         81         11         11         12         13         81         11         12         13         13         14         13         14         13         18         11         12         13         18         1	Enzyme Aatll			UIIS								1666	2442	3717	Enzymes t	hat do not	cut nRSEDue	t_1·	
Marcha   1								1					2442	3111	1 -				RhvCI
Math				<b>∆</b> 11				1			1373	0040							
Math				711				1								-			
Mile   18											3013	3502			1				
Main											3013	3302							
Age				3334							3803								
Angle   1				3334							3002				1 '				
Main	-							1							1				
Figure 1. The stands of								1							1				-
Made   1				3354				1							JIIaDI	Spei	JIII	Stui	Swai
May 1				3334				1											
Minute   M				722	021	2502	2651	1			2010	2600	2042	2722					
Asily 1	ASCI	U		132	321	2332	2001	1					2342	3123					
Anal	AciCl	1						1			2332	2002							
Ministry   Ministry				1246				1											
Bear				1240				1 '											
Seminar   1								1											
Denil																			
Mail   1   1   1   1   1   1   1   1   1				2565	2605	2/1/		1											
Beal   1   2999						3414		1			2000	2206							
Bosal				1471	3131			1			2990	3200							
Beach   4				2100				1											
Figure 1					2050	2/177		1											
Bridl   1   330   330   330   330   341   341   341   345   341					Z00U	34//		1											
Bidfile         1         3320	-				1074	2002													
Birkan				1004	19/4	2002													
Big   1				1074				1											
Bint  Such   3   2009   3131   338   338   338   348   349   341   348   349				12/4				1			1070								
Paris   Maria   Mari	-			0000				1											
Binth         3         25.6         317.6         341.3         35.2         4         Polit         1         182.2         37.9         1         Polit         1         182.2         37.9         1         Polit         1         36.6         37.9         1         2         4         1         4 <td></td> <td></td> <td></td> <td></td> <td>2250</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1780</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>					2250						1780								
Bom 1001         2         301 3         3002 3         5         5         PIMM 3 3 401 3768         462 3769         3759 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4								1											
Bpuncil 1         1102         14         102 byte of Sits         186 byte of Sits         186 byte of Sits         186 byte of Sits         25 byte of Sits         186 byte of Sits         26 byte of Sits         186 byte of Sits         26 byte of Sits         27 byte of Sits         27 byte of Sits         27 byte of Sits         28 byte of Sits         2					3413			1			000	0750							
Byber         5         515         1862         2160         2340         2566         PspOM         1         3157         PspOM         1         3127         PspOM         1         3127         PspOM         1         3127         PspOM         1         3157         PspOM         3158         327         350         350         1				3302				1			802	3759							
Bashl         3         348         2696         3379				1000	0100	0040	0500	1											
Basal Name         1						2340	2020	1											
Baswill				2090	33/9			1 '											
Pull   2				FCC	000	1004	1077	1											
BaskIV         2         655         2665         2666         3         2675         2809         2809         2809         2809         1         122         3         2675         2809         2480         2809         3480         2         3809         358         378         636         SbII         1         1666         3         3         182         2809         3480         358         378         636         SbIII         1         1666         3         3         182         2089         3588         3588         5161         4         299         131         226         3825         3825         3836         3	BSAWI	ŏ				1804	1977	1			0700								
Bestyll         3         2075         2800         2835	DooVI	0			3013			1			2/30								
Bsgil         2         38289         3489         3489         3489         358         337         636         Sbill         1         1666         5         1124         1698         2111         255         5         Sbill         1         2697         132         266         3825         3825         3836					2025			1											
BsiEl         9         153         199         325         337         636         Sbifl         1         135         3         2         2         2089         3385         5         Sbifl         4         2897         381         260         3825         3825         3835         3835         3835         3835         3835         3835         3835         3835         3835         3836         3835         3835         3836         3835         3836         3836         3836         3835         3836         383					2933														
BSIHKAI   3   122   128   238   2111   255   SICI   4   29   131   266   3825	-				225	227	626												
Sail Hikal   Sail   S	DSIEI	9					030	1			121	226	2825						
BSmAl         7         645         1102         1604         2179         3106         Small of Smill of	ReiHKAI	2				2333		1			131	220	3023						
SamBi						2710	3106	1											
BsmB   2	ואוווטט	,			1004	L1 13	0100	1			354	494	1877	2139					
Semil   2	RsmRI	2						511111	'			7,07	1011	2100					
Bsp   1286   5								Sphl	1		LU-T1								
BspCNI Properties         6 Had Septiment (1988)         443 Septiment (1988)         530 Septiment (1988)         259 Septiment (1988)         2 Septiment (1988)         157 Septimen					2089	3131	3358												
Style   Styl								1			1571								
BapH     2     725   1602	2000111	-		550		2000						473	2287						
BspLU11I         1         1782         ITatl         1         190         TspGWl         3         1303         1315         2396         2396         BspBl         5         13         243         723         1608         1715         Tith111I         2         637         2209         2897         2393         4         Xbal         1         2414	BspHI	2		1602															
BspMI								1 '			. 50 .	_500							
BsrBI         5         13         243         723         1608         1715         Tth1111         2         637         2209           BsrDI         2         2927         3293         Tth1111         2         637         2209           BsrFI         4         324         566         1164         3648         Xcml         3         2949         2967         3483           BsrGI         1         190         Ycml         1         354         3483								1			1315	2396							
BsrDI         2         2927         3293         Xbal         1         2414           BsrFI         4         324         566         1164         3648         Xcml         3         2949         2967         3483           BsrGI         1         190         Xcml         3         2949         2967         3483           BssHII         2         125         2923         Xcml         1         1246           BssSI         1         1944         Xcml         1         1246           BstAPI         1         3658         Xcml         1         344           BstXII         3         3288         3411         3540           BstYII         5         106         305         869         2558         3770           Btsl         5         543         1176         1263         2607         2975           Clal         1         1429           Drdl         1         637           Eael         5         150         196         322         326         2660				243	723	1608	1715	1 '				-200							
BsrFI         4         324         566         1164         3648         Xcml         3         2949         2967         3483           BsrGI         1         190         Total         1         354         3483         354         4483					0	. 500		1											
BsrGl         1         190         Jean Holl					1164	3648		1			2967	3483							
BssHIII         2         125         2923         Xmal         1         1246           BssSI         1         1944         Xmal         1         733           BstAPI         1         3658         Xmal         1         733           BstEII         1         3152         State of the property of t						-5.0		1				00							
BssSI       1       1944       1944       Xmnl       1       733         BstAPI       1       3658       Zral       1       344         BstEII       1       3152       Stanta       354       341       3540         BstYI       5       106       305       869       2558       3770       370       344         Bsu36i       1       517       543       1176       1263       2607       2975       443       4429       4429       444       4449       444				2923				1											
BstAPI 1 3658								1											
BstEll 1 3152 BstXl 3 3288 3411 3540 BstYl 5 106 305 869 2558 3770 Bsu36l 1 517 Btgl 1 69 Bsts 5 543 1176 1263 2607 2975 Clal 1 1429 Drdl 1 637 Eael 5 150 196 322 326 2660								1											
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