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Datasheet of GLuc-ONTM PKC Transcriptional Response Element (TRE) Clone (TR106)

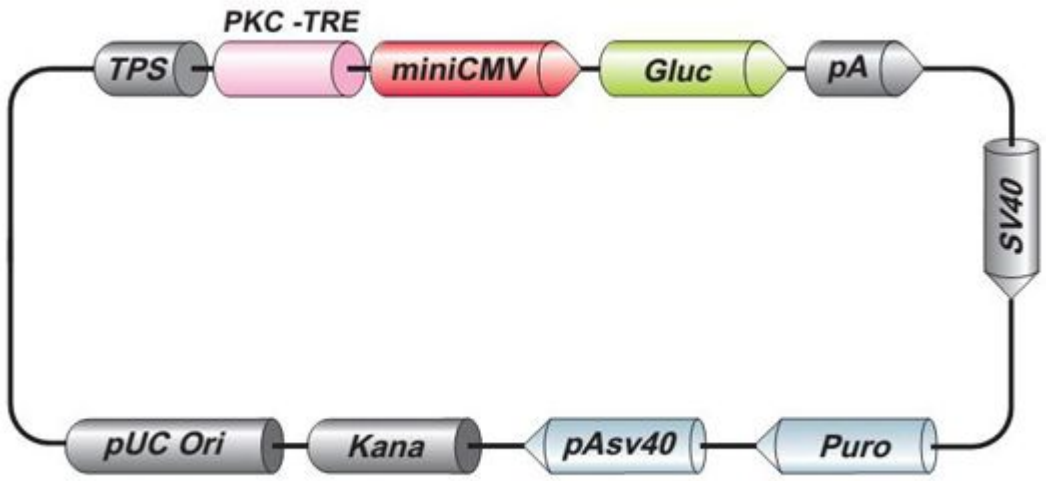

Figure 1. GLuc-ONTM PKC Transcriptional Response Element (TRE) Clone(TR106)

Catalog:	TR106
Description:	The PKC transcriptional response element (TRE) clone assays the status of the PKC/MAPK signaling pathway through the activity of the transcription factor PKC. The PKC transcriptional TRE clone contains a minimal promoter and tandem repeats of the PKC transcriptional response element upstream of a secreted Gaussia luciferase reporter gene. The number of response elements, as well as the intervening sequence between theelements has been optimized to maximize the sensitivity and signal to noise ratio.
Delivery:	500ng/μL × 40μL
Storage Conditions:	-20℃
QC:	.Functional validation in common cell line .Full sequence verification .Restriction Digestion

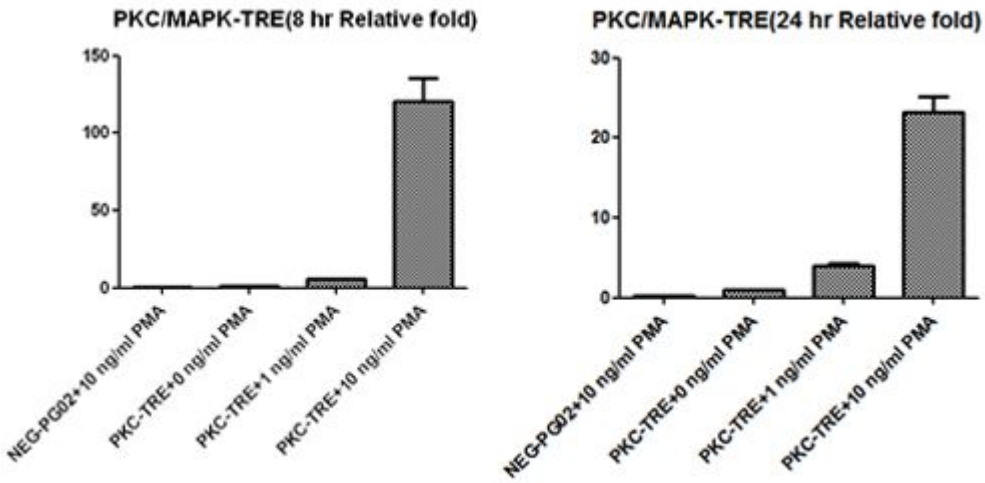

Figure 2. Validation data of GLuc-ON™ PKC Transcriptional Response Element (TRE) Clone(TR106).

Restriction Enzyme Information for TR106

Table 1. Restriction Enzymes That Do Not Cleave TR106

AfeI	AgeI	AscI	BaeI	BaeI	BbvCI	BlpI	BsaAI
BstXI	BstZ17I	Bsu36I	BtrI	EcoRV	FspI	MluI	NdeI
PacI	PmeI	PmlI	PpuMI	PshAI	PvuII	SanDI	SapI
SbfI	SgrAI	SnaBI	SpeI	SrfI	SwaI		

Table 2. Restriction Enzymes That Cleave TR106 Once

AarI	619	AasI	4526	AccI	1190	AccIII	2166	AclI	209	AcuI	4086	AdeI	2624	AflII	343
AflIII	4628	AhdI	1155	AloI	880	Aor13HI	2166	AseI	3709	AsiSI	3510	AspA2I	1976	AspEI	1155
AspI	2095	AssI	554	AsuII	458	AvrII	1976	BamHI	840	BauI	4455	BciVI	4430	BclI	2027
BfrI	343	BfuI	4430	BlnI	1976	BmcAI	554	BmeRI	1155	Bpu14I	458	Bsa29I	547	BsaBI	883
BsaI	2527	Bse8I	883	BseAI	2166	BseCI	547	BseJI	883	BsePI	2508	BseRI	1972	BshVI	547
BsiWI	2109	Bso31I	2527	Bsp119I	458	Bsp13I	2166	BspDI	547	BspEI	2166	BspHI	3034	BspT104I	458
BspTI	343	BssHII	2508	BssSI	4455	Bst2BI	4455	BstAFI	343	BstBI	458	BstEII	2187	BstENI	3422
BstPI	2187	Bsu15I	547	BsuI	4430	CciI	3034	CciNI	1412	Cfr9I	1997	ClaI	547	CpoI	2169
CspI	2169	DraI	2934	DraIII	2624	DrdI	4526	DriI	1155	DseDI	4526	Eam1105I	1155	Ecl136II	672
Eco31I	2527	Eco53kI	672	Eco57I	4086	Eco91I	2187	EcoICRI	672	EcoNI	3422	EcoO65I	2187	EcoRI	483
FbaI	2027	FblI	1190	FseI	2732	HindIII	764	HpaI	2873	Kpn2I	2166	KroI	2728	Ksp22I	2027
KspAI	2873	MfeI	2882	MroI	2166	MroNI	2728	MspCI	343	MunI	2882	NaeI	2730	NgoMIV	2728
NotI	1412	NspV	458	PaeR7I	1418	PagI	3034	PasI	2102	PauI	2508	PciI	4628	PdiI	2730
Pfl23II	2109	PflFI	2095	PfoI	2528	PscI	4628	PshBI	3709	Psp124BI	674	Psp1406I	209	PspEI	2187
PspLI	2109	PspXI	1418	PstI	2975	PsyI	2095	PteI	2508	RcaI	3034	RgaI	3510	RigI	2732
Rsr2I	2169	RsrII	2169	SacI	674	SalI	1189	ScaI	554	SfaAI	3510	Sfr274I	1418	SfuI	458
SgfI	3510	SlaI	1418	SmaI	1999	SspI	3435	SstI	674	StrI	1418	TspMI	1997	Tth111I	2095
Vha464I	343	VspI	3709	XagI	3422	XbaI	1430	XcmI	1651	XhoI	1418	XmaI	1997	XmaJI	1976
XmiI	1190	ZrmI	554												

Table 3. Restriction Enzymes That Cleave TR106 Twice

Acc36I	619	Acc36I	1325	Acc65I	663	Acc65I	2709	AccB7I	479	AccB7I	3773	AjuI	462	AjuI	3538
Alw44I	1095	Alw44I	4314	AlwNI	1067	AlwNI	4219	ApaI	356	ApaI	3936	ApaLI	1095	ApaLI	4314
Asp700I	1114	Asp700I	1438	Asp718I	663	Asp718I	2709	AsuNHI	44	AsuNHI	676	BalI	946	BalI	2428
BasI	479	BasI	3773	BbsI	134	BbsI	929	BcgI	71	BcgI	2494	BfuAI	619	BfuAI	1325
BglII	475	BglII	745	BmtI	48	BmtI	680	BpiI	134	BpiI	929	BplI	1911	BplI	1943
Bpu10I	668	Bpu10I	3527	BpuAI	134	BpuAI	929	BpvUI	1187	BpvUI	3510	BsaXI	878	BsaXI	2431
BsmBI	2445	BsmBI	3526	Bsp120I	352	Bsp120I	3932	Bsp1407I	440	Bsp1407I	1552	Bsp19I	851	Bsp19I	1883
Bsp68I	958	Bsp68I	3167	BspMI	619	BspMI	1325	BspOI	48	BspOI	680	BsrGI	440	BsrGI	1552
BstAUI	440	BstAUI	1552	BstV2I	134	BstV2I	929	BtgZI	870	BtgZI	1227	BtuMI	958	BtuMI	3167
BveI	619	BveI	1325	CaiI	1067	CaiI	4219	Cfr42I	984	Cfr42I	2267	CsiI	1743	CsiI	2620
DinI	2262	DinI	2393	DraII	353	DraII	3933	Eco147I	1975	Eco147I	2384	EcoO109I	353	EcoO109I	3933
EgeI	2262	EgeI	2393	EheI	2262	EheI	2393	Esp3I	2445	Esp3I	3526	HincII	1191	HincII	2873
HindII	1191	HindII	2873	KasI	2260	KasI	2391	KpnI	667	KpnI	2713	KspI	984	KspI	2267
MabI	1743	MabI	2620	MlsI	946	MlsI	2428	MluNI	946	MluNI	2428	Mly113I	2261	Mly113I	2392
MroXI	1114	MroXI	1438	MscI	946	MscI	2428	MslI	524	MslI	889	Msp20I	946	Msp20I	2428
MvrI	1187	MvrI	3510	NarI	2261	NarI	2392	NcoI	851	NcoI	1883	NheI	44	NheI	676
NruI	958	NruI	3167	PceI	1975	PceI	2384	PdmI	1114	PdmI	1438	PflMI	479	PflMI	3773
Ple19I	1187	Ple19I	3510	PluTI	2264	PluTI	2395	PspOMI	352	PspOMI	3932	PstNI	1067	PstNI	4219
PvuI	1187	PvuI	3510	RruI	958	RruI	3167	RseI	524	RseI	889	SacII	984	SacII	2267
SexAI	1743	SexAI	2620	SfiI	657	SfiI	758	SfoI	2262	SfoI	2393	Sfr303I	984	Sfr303I	2267
SgrBI	984	SgrBI	2267	SmiMI	524	SmiMI	889	SseBI	1975	SseBI	2384	SspDI	2260	SspDI	2391
StuI	1975	StuI	2384	Van91I	479	Van91I	3773	VneI	1095	VneI	4314	XmnI	1114	XmnI	1438

Table 4. Restriction Enzymes That Cleave TR106 Three Times

AanI	427	AanI	1569	AanI	2853	AatII	66	AatII	2099	AatII	2597	AvaII	2169	AvaII	2279
AvaII	2611	BfmI	2971	BfmI	4172	BfmI	4363	Bme18I	2169	Bme18I	2279	Bme18I	2611	BmrI	141
BmrI	611	BmrI	1855	BmuI	141	BmuI	611	BmuI	1855	BpmI	1033	BpmI	1252	BpmI	2551
Bse3DI	421	Bse3DI	1577	Bse3DI	3008	BseMI	421	BseMI	1577	BseMI	3008	BsrDI	421	BsrDI	1577
BsrDI	3008	Bst6I	329	Bst6I	2212	Bst6I	3323	BstAPI	1721	BstAPI	1793	BstAPI	2624	BstSFI	2971
BstSFI	4172	BstSFI	4363	Eam1104I	329	Eam1104I	2212	Eam1104I	3323	EarI	329	EarI	2212	EarI	3323
Eco47I	2169	Eco47I	2279	Eco47I	2611	GsuI	1033	GsuI	1252	GsuI	2551	PsiI	427	PsiI	1569
PsiI	2853	SfcI	2971	SfcI	4172	SfcI	4363	TaqII	2071	TaqII	2695	TaqII	3764	VpaK11BI	2169
VpaK11BI	2279	VpaK11BI	2611	ZraI	64	ZraI	2097	ZraI	2595						