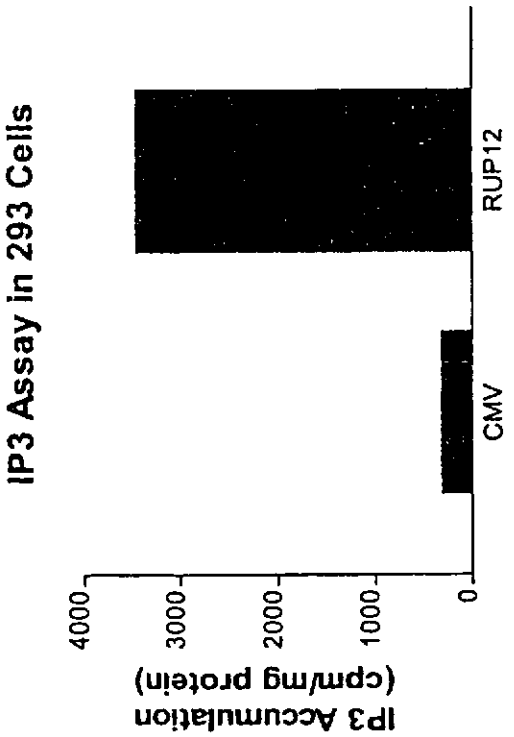

IP3 Assay in 293 Cells
IP3 Accumulation
(cpm/mg protein)
4000
3000
2000
1000
0
CMV
RUP12

Figure 1

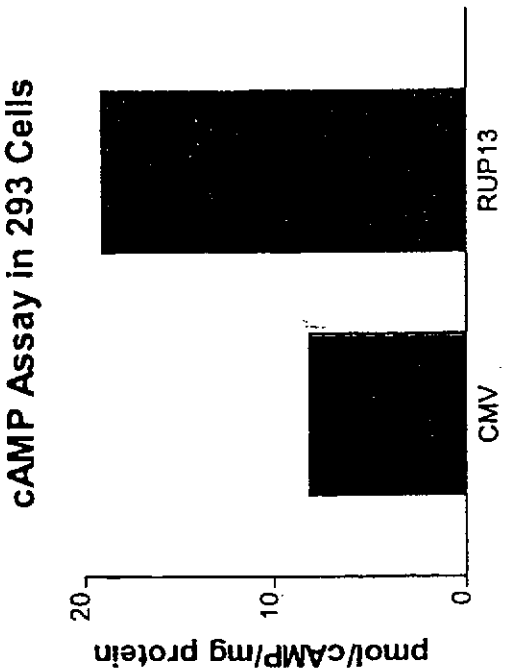


Figure 2

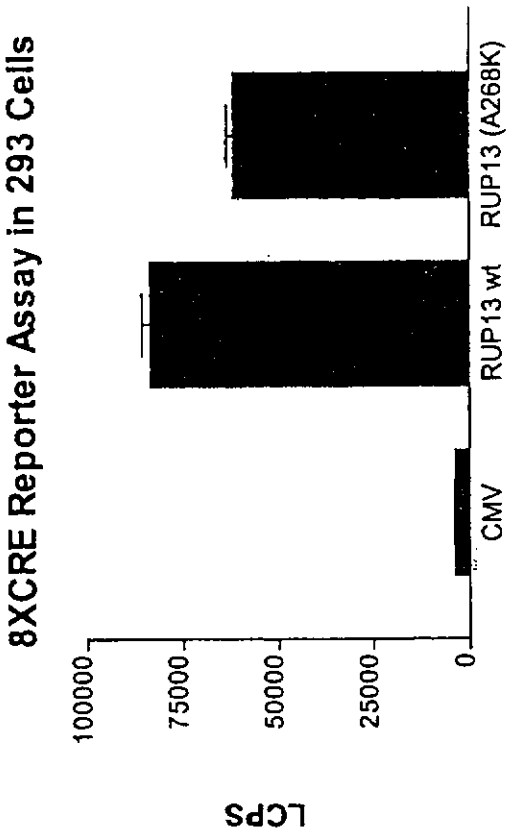

8XCRE Reporter Assay in 293 Cells
LCPS
100000
75000
50000
25000
0
CMV
RUP13 wt
RUP13 (A268K)

Figure 3

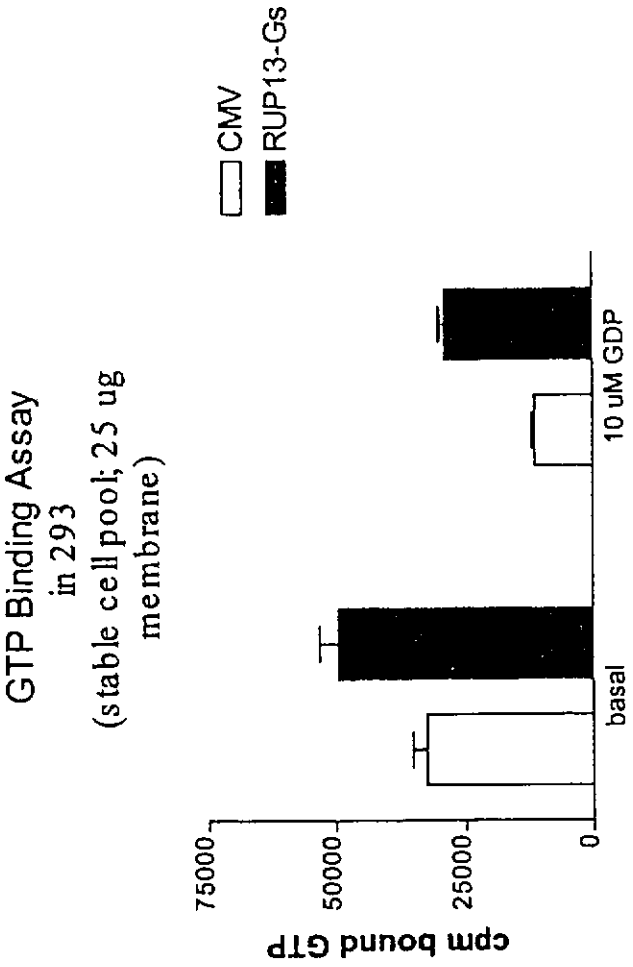

GTP Binding Assay
in 293
(stable cell pool; 25 ug
membrane)
CMV
RUP13-Gs
cpm bound GTP
75000
50000
25000
0
basal
10 uM GDP

Figure 4

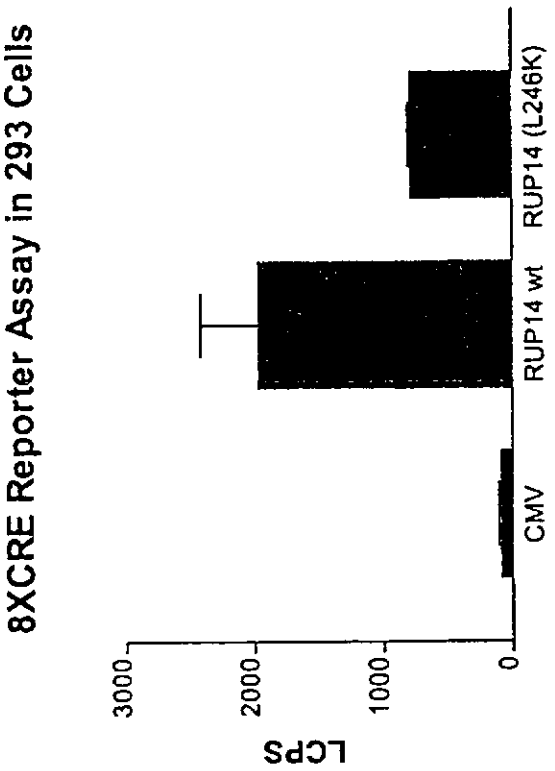

8XCRE Reporter Assay in 293 Cells
LCPS
3000
2000
1000
0
CMV
RUP14 wt
RUP14 (L246K)

Figure 5

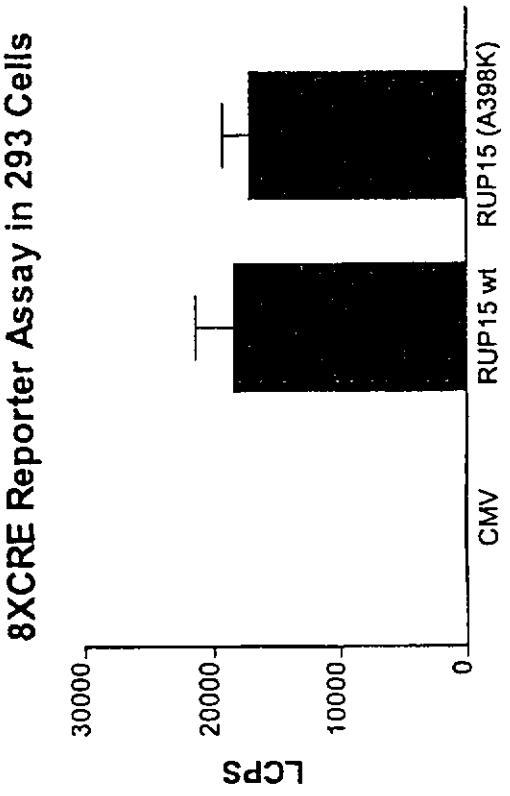

8XCRE Reporter Assay in 293 Cells
LCPS
30000
20000
10000
0
CMV
RUP15 wt
RUP15 (A398K)

Figure 6

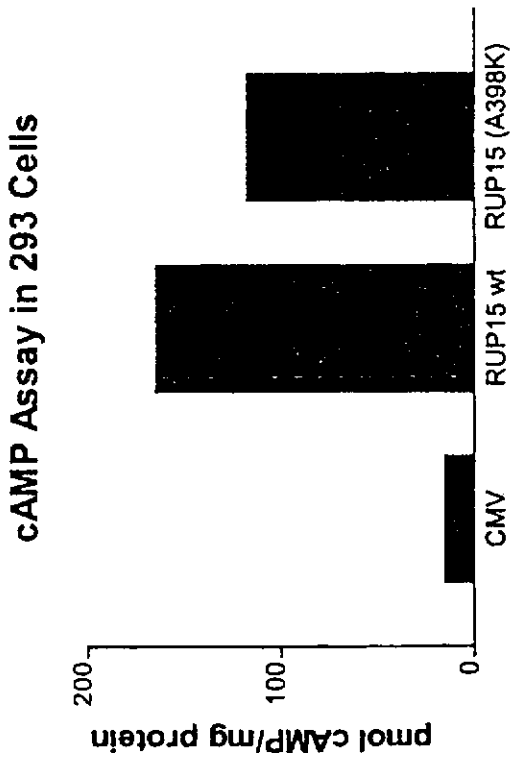

cAMP Assay in 293 Cells
pmol cAMP/mg protein
200
100
0
CMV
RUP15 wt
RUP15 (A398K)

Figure 7

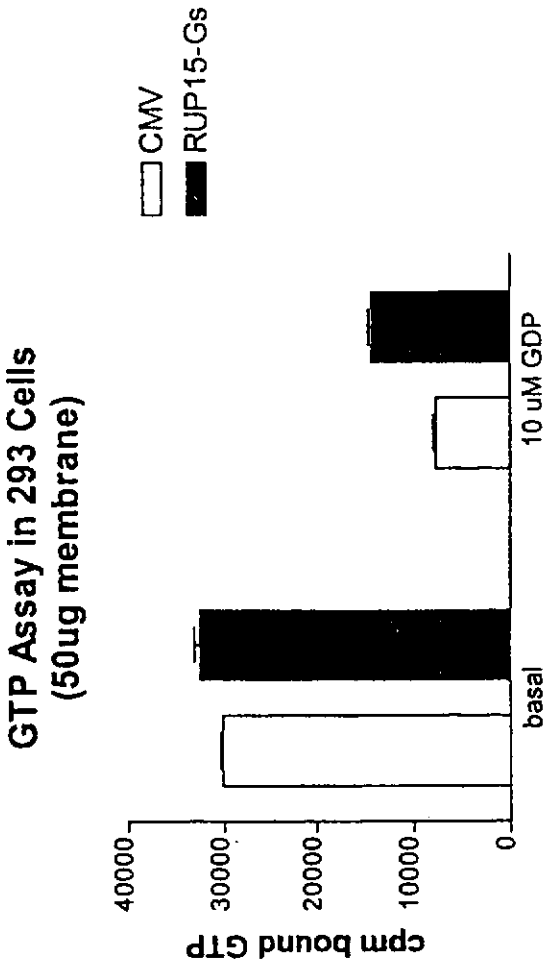

GTP Assay in 293 Cells
(50ug membrane)
CMV
RUP15-Gs
cpm bound GTP
40000
30000
20000
10000
0
basal
10 uM GDP

Figure 8

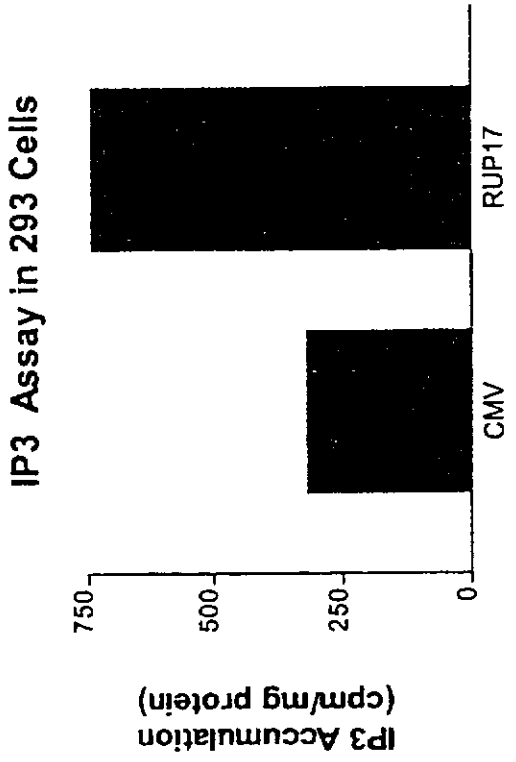

IP3 Assay in 293 Cells
IP3 Accumulation
(cpm/mg protein)
750
500
250
0
CMV
RUP17

Figure 9

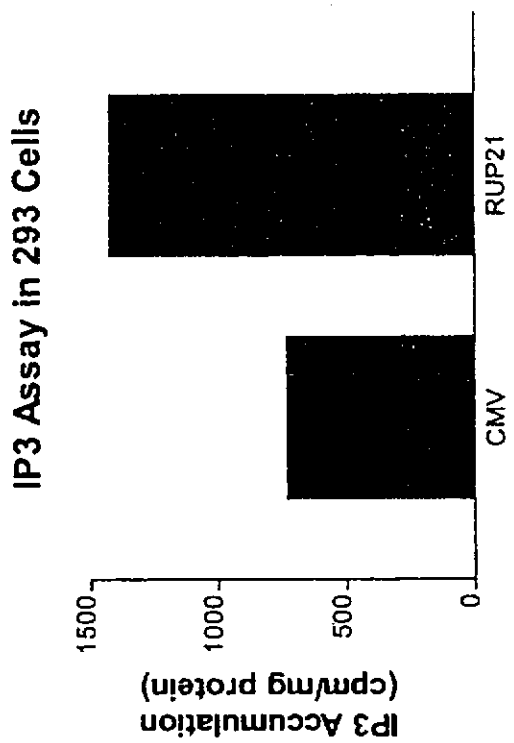

IP3 Assay in 293 Cells
IP3 Accumulation
(cpm/mg protein)
1500
1000
500
0
CMV
RUP21

Figure 10

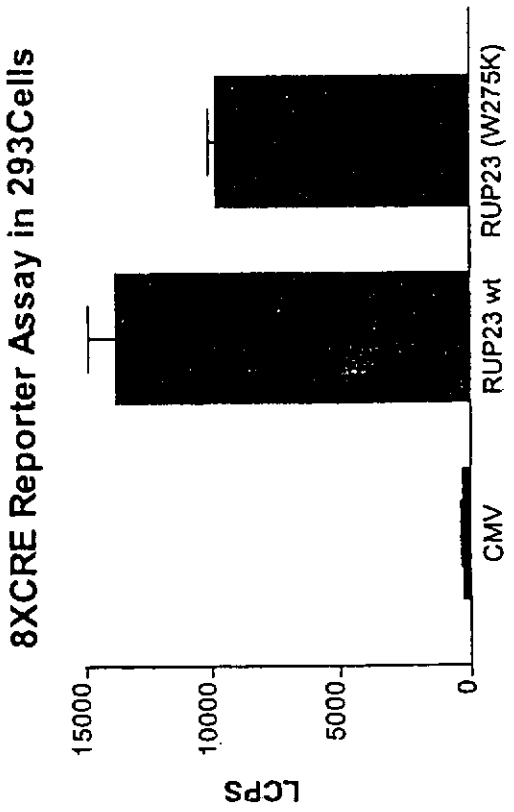

8XCRE Reporter Assay in 293Cells
LCPS
15000
10000
5000
0
CMV
RUP23 wt
RUP23 (W275K)

Figure 11

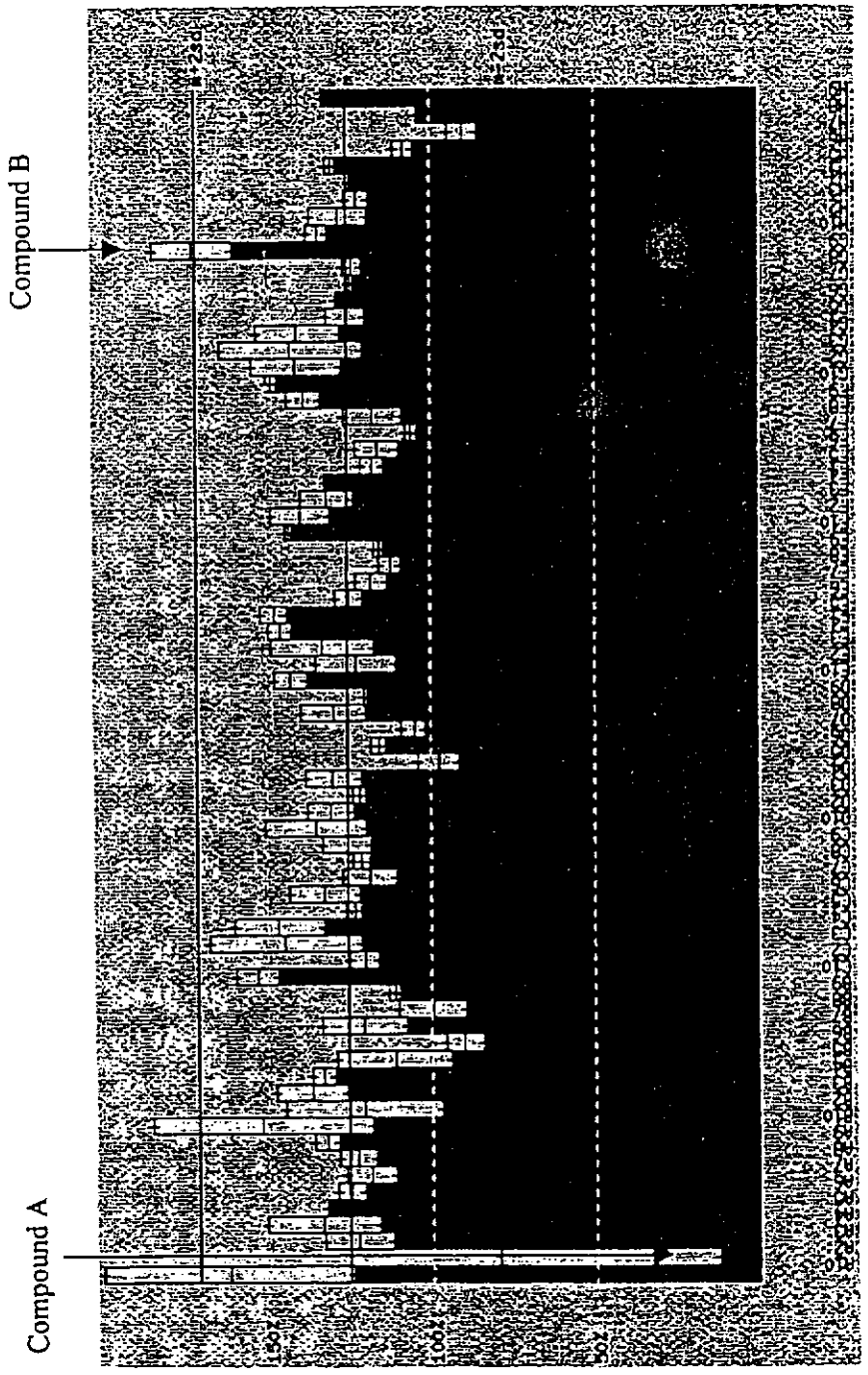


Figure 12