

**Table 1. Control single-channel properties of Kir6.2/SUR2B prior to drug treatment (in absolute values).**

Group	Coexpression	Treatment	$NP_o$ (%)	Opening frequency ( $s^{-1}$ )	Open time (ms)	Closed time (ms)	N
1.	----	Noc-18	$0.47 \pm 0.23$	$2.98 \pm 1.21$	$1.24 \pm 0.11$	$574.0 \pm 190.5$	5
2.	----	PTIO + Noc-18	$0.81 \pm 0.46$	$4.68 \pm 2.42$	$1.17 \pm 0.32$	$843.7 \pm 359.9$	5
3.	----	8-Br-cGMP	$0.24 \pm 0.11$	$1.87 \pm 0.73$	$1.06 \pm 0.18$	$2097.0 \pm 1381.0$	6
4.	----	ODQ + Noc-18	$1.12 \pm 0.58$	$6.55 \pm 3.30$	$1.40 \pm 0.21$	$978.3 \pm 455.4$	6
5.	----	L-Arg	$0.17 \pm 0.14$	$1.36 \pm 1.00$	$0.75 \pm 0.30$	$5361.0 \pm 3529.0$	4-6
6.	Ras	L-Arg	$0.07 \pm 0.06$	$0.49 \pm 0.34$	$1.33 \pm 0.40$	$6425.0 \pm 3047.0$	3-4
7.	RasN17	L-Arg	$0.12 \pm 0.04$	$0.90 \pm 0.33$	$1.39 \pm 0.11$	$1363.0 \pm 424.6$	3
8.	Ras	Noc-18	$0.10 \pm 0.05$	$0.53 \pm 0.23$	$1.80 \pm 0.24$	$3748.0 \pm 2465.0$	3
9.	RasV12	Noc-18	$15.74 \pm 11.15$	$75.67 \pm 54.20$	$2.09 \pm 0.12$	$39.7 \pm 13.3$	5
10.	RasN17	Noc-18	$0.15 \pm 0.07$	$0.99 \pm 0.47$	$1.41 \pm 0.25$	$2679.0 \pm 2102.0$	3
11.	RasC118S	Noc-18	$7.09 \pm 6.40$	$20.78 \pm 18.05$	$2.42 \pm 0.52$	$421.2 \pm 215.6$	4

Single-channel recordings of Kir6.2/SUR2B channels in cell-attached patches were obtained as described in *Materials and Methods*. Cells in groups 1-5 were transfected with channel cDNAs alone, whereas cells in groups 6-11 were transfected with channel cDNAs together with either wildtype or mutated Ras cDNA. Control single-channel currents recorded immediately prior to “Treatment” of Noc-18 or other drugs were analyzed. Values under N indicate number of patches. Data were averaged in each group and are presented as mean  $\pm$  S.E.M. Whereas the open time is comparable in all experiments, other parameters vary with the number of active channels in the patch.