Table S1: TaqMan primer/probes designed for specific amplification of KCC isoforms and parameters for standard curves of copy numbers.

Identification		Sequence	Co-eff[a]	Slope[b]	E^c
KCC1	F-primer	5'-GGGCTCAGTTGGGTGGAC-3'	0.999	-3.55	1.91
	R-primer	5'-AAGAAAAGGGCTGCTCTCTCTGT-3'			
	Probe	**6FAM-TGACTCGGACGGACATG-MGB**			
KCC1b	F-primer	5'-GCCAGACCTTGGCTGTCTACA-3'	0.996	-3.53	1.92
	R-primer	same as KCC1 R-primer			
	Probe	**TET-TGAGCCCCGGACATG-MGB**			
KCC3a[d]	F-primer	5'-CCCAGTGACCGGACTTCTCA-3'	0.995	-3.48	1.94
	R-primer	5'-TCTTATGTCCGTCGTCTAACAGTTG -3'			
	Probe	**6FAM-TGTCATCGAGGACCTGAG-MGB**			
KCC3b[d]	F-primer	5'GCAGACATAAAAGCCCGGATT-3'	0.993	-3.58	1.90
	R-primer	same as KCC3a R-primer			
	Probe	**TET-CAGATGAACCAGACCTGAG-MGB**			
KCC4[e]	Inventoried TaqMan Gene Expression Assay ID Hs00383447_m1		1.000	-3.54	1.92
mKCC1	F-primer	5'- TGACAGAGATTCCTGGCATACCT-3'	0.998	-3.48	1.94
	R-primer	5'- CGGCAGCCCATGCTTCT -3'			
	Probe	**6FAM- CTCCAGGAGAACCTC -MGB**			
mKCC3	F-primer	5'- ATCTCAATCCAAGGCATTCCA -3'	0.998	-3.57	1.91
	R-primer	5'- TTGGCTGATGGCTTTTCAATT -3'			
	Probe	**6FAM- TCATTACTGAAAATCTTTG -MGB**			
mKCC4	F-primer	5'- GCACAGAACAACGTTACTGAGATACA -3'	0.998	-3.52	1.92
	R-primer	5'-CACCTTTCTTTTCCACAAATGC-3'			
	Probe	**6FAM- CTTCCTGGATAACCTGTGG -MGB**			

[a] Correlation coefficient (R^2) is listed for isoform-specific standard curves of copy numbers. Data were derived from 2-3 sets of plasmid dilution samples with 6-10 measurements.

[b] The slopes (S) were derived from standard curves of copy numbers as: $Ct = S^* \text{Log}_{10}[\text{Copy Number}] + n$.

[c] The PCR amplification efficiency (E) for each primer/probe set was determined by $10^{(-1/S)}$.

[d] The probes for KCC3a and KCC3b crossed exon 1 and 2 junction, and R-primer were designed to cross exon 2 and 3 junction.

[e] The TaqMan Assay was purchased from Applied Biosystems Inc as premade reaction mix.

Table S2. Forward and reverse primers and restriction sites used to clone myc expression tag into pcDNA3.1 expression vectors coding for full length KCC cDNAs.

mycKCC1	mycKCC1FW	CAGAATTCCatg**GAACAAAAACTCATCTCAGAAGAGGATCTG** cctcacttcaccgtggtgcc
	KCC1D-RV	CCTCCAAGGGGGAAAGAAAAG
	Restriction sites	EcoRI and BssHII.
mycKCC3a	mycKCC3aFW	CAGAATTCCatg**GAACAAAAACTCATCTCAGAAGAGGATCTG** catcctccagaaaccaccac
	KCC3NB2-1	TGTGTTCCCCTGTGATGGAGTTC
	Restriction sites	EcoRI and BamHI
mycKCC4	mycKCC4FW	CAGAATTCCatg**GAACAAAAACTCATCTCAGAAGAGGATCTG** cccaccaacttcaccgtggtgcc
	KCC4B2	ATCGCACTCATGGAAATGGC
	Restriction sites	EcoRI and BsrGI

Each forward primer (FW) contained the myc-tag coding sequence (bold upper case) which was in-frame linked to the KCC-specific coding sequence (lowercase). Reverse primers (RV) were also isoform-specific.