

B*SYS service list

Channel	Gene	Host	Panel					
			Cardiac	CNS	Memory	Antiepileptic	Pain	
Kv1.1	KCNA1	CHO						
Kv1.2	KCNA2	CHO						
Kv1.3	KCNA3	CHO						
Kv1.4	KCNA4	CHO						
Kv1.5	KCNA5	CHO	●					
Kv1.6	KCNA6	CHO						
Kv2.1	KCNB1	CHO						
Kv2.2	KCNB2	CHO / HEK						
Kv4.3	KCND3	CHO / HEK						
Kv4.3 / KCHIP2	KCND3/KCHIP2	CHO						
Kv7.1/minK	KCNQ1/MINK	CHO / HEK						
Kv7.2	KCNQ2	CHO		●			●	
Kv7.2/7.3	KCNQ2/3	CHO						
Kv11.1 (hERG)	KCNH2	CHO / HEK	●					
hERG Duo	KCNH2	CHO						
Kir2.1	KCNJ2	CHO						
Kir3.1 / Kir3.4	KCNJ3 /KCNJ5	CHO / HEK						
Kir3.4	KCNJ5	CHO / HEK						
Neuroblastoma whole potassium channels		N1E-115						
HCN1	HCN1	CHO / HEK						
HCN4	HCN4	CHO / HEK						
Nav1.1	SCN1A	CHO		●			●	
Nav1.2	SCN2A	CHO		●			●	
Nav1.3	SCN3A	CHO		●			●	
Nav1.5	SCN5A	CHO	●					
Nav1.6	SCN8A	CHO		●			●	
Nav1.7	SCN9A	CHO		●			●	
Nav1.8	SCN10A	N1E-115		●			●	●
Neuroblastoma whole sodium (TTX sensitive sodium channels)		ND7/23		●			●	
Cav1.2	CACNA1C/CACNB2/CACNA2D	HEK	●					
Cav1.3	CACNA1C/CACNB3/CACNA2D	HEK /CHO						
Cav2.1	CACNA1A/CACNB3/CACNA2D2 or CACNA2D4	CHO		●			●	
Cav3.1	CACNA1G	CHO / HEK						
Cav3.2	CACNA1H	HEK						
Cav3.3	CACNA1I	CHO / HEK						
Neuroblastoma whole calcium (T- and L- type)		NB						
ClC-2	CLCN2	HEK		●			●	
CFTR	CFTR	CHO / HEK						
TRPA1	TRPA1	CHO / HEK						
TRPM8	TRPM8	CHO / HEK						
TRPV1	TRPV1 (VR1)	CHO / HEK						●
TRPV2	TRPV2	HEK						●
TRPV3	TRPV3	CHO / HEK						
TRPV4	TRPV4	HEK						
GABAA (α1β2γ2)	GABRA1/GABRB2/GABRG2	Ltk / HEK		●			●	●
GABAA (α1β3γ2)	GABRA1/GABRB3/GABRG2	HEK		●			●	●
GABAA (α2β2γ2)	GABRA2/GABRB2/GABRG2	Ltk / HEK		●			●	●
GABAA (α3β2γ2)	GABRA3/GABRB2/GABRG2	Ltk		●			●	●
GABAA (α4β3δ)	GABRA4/GABRB3/GABRD	CHO / HEK						
GABAA (α5β2γ2)	GABRA5/GABRB2/GABRG2	Ltk / HEK		●	●		●	●
AMPA	GRIA1	CHO / HEK		●	●		●	●
GluR5	GRIK1	CHO / HEK						
GluR6	GRIK2	CHO / HEK						
NMDA (NR1/2A)	GRIN1/GRIN2A	HEK		●	●		●	●
NMDA (NR1/2B)	GRIN1/GRIN2B	HEK		●	●		●	●
NMDA (NR1/2C)	GRIN1/GRIN2C	HEK						
NMDA (NR1/2D)	GRIN1/GRIN2D	HEK						
nAChR (α7)	CHRNA7	GH4		●	●			
nAChR (α3β4)	CHRNA3/CHRNB4	CHO / HEK						
nAChR (α4β2)	CHRNA4/CHRNB2	HEK		●	●			
P2X1	P2RX1	HEK						
P2X3	P2RX3	HEK						
P2X4	P2RX4	HEK						
P2X7	P2RX7	HEK		●				
GlyRa3	GLYRA3	HEK		●			●	●
GlyRa3/GlyRb	GLYRA3/GLYRB	CHO / HEK						
5HT3A	5HT3A	CHO / HEK		●				
5HT3A/B	5HT3A / 5HT3B	HEK						
ASIC1 isoform 1 (1a long)	ACCN2	CHO						
ASIC1 isoform 2 (1a short)	ACCN2	CHO						
ASIC1 isoform 3 (1b)	ACCN2	CHO						
ASIC2	ACCN1	CHO / HEK						
ASIC3	ACCN3	CHO						