



## Our Panel of Cell-based Assays related to Pain

***Ion Channels, Neurotransmitter Transporters*** and ***GPCRs*** have long been recognized as important target classes in the search for new pain therapies. We offer a comprehensive collection of cell-based assays for important targets in the pain drug discovery research.

Ion Channels	
HCN2	P2RX4
KCNA3 (KV1.3)	P2RX7 (mouse, rat)
KCNA5 (KV1.5)	TRPA1
SCN9A (Nav1.7)	TRPM5
CACNA1B (CaV 2.2)	TRPM8
P2RX3	TRPV1
P2RX2/P2RX3	

Transportes
Glycine: GLYT1, GLYT2
GABA: GAT1, GAT3
Proline: SLC6A15

GPCRs
Adenosine: ADORA1, Adora1 (mouse), Adora1 (rat), ADORA2A, Adora2a (mouse), Adora2a (rat), ADORA2B, Adora2b (mouse), Adora2b (rat), ADORA3, Adora3 (mouse)
Bradykinin: BDKRB1, Bdkrb1 (rat), BDKRB2
Cannabinoid: CNR1, CNR2
Chemokine: CCR2, CCR3, CCR5, CX3CR1, Cx3cr1 (mouse), Cx3cr1 (rat), CXCR2 (IL8RA)
Cholecystokinin: CCKAR
Cholinergic: CHRM2
Cysteinyl leukotriene: CYSLTR2
Dopamine: DRD1, DRD3
Formyl peptide: FPR1, FPR2 (FPRL1)
G protein-coupled receptor: GPR119
Glutamate receptor: GRM1
Histamine: HRH3
MAS related: MRGPRX1 (Mrg-X1)
Peroxisome proliferator-activated: PPARA, PPARD
Prostaglandin: PTGER1, PTGER2, PTGER3, PTGER4
Serotonin: HTR2A

(release July 2017)

### SERVICE OFFERED

- ✓ Assay development
- ✓ HTS
- ✓ Manual Patch Clamp
- ✓ Automated Patch Clamp



### ASSAY PANEL

- ✓ Stable transfected cell lines\*
- ✓ Various read outs available

\* With the exception of the CACNA1B (CaV 2.2) assay - endogenous expression

**Contact us to receive further information on our offers**

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INNOVATES, ENABLES, PERFORMS

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