



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.

| GPCRs |
|----------------------------------------------------|
| Adenosine: ADORA1, ADORA2A, ADORA2B, ADORA3 |
| Bradykinin: BDKRB1, BDKRB2 |
| Cannabinoid: CNR1, CNR2 |
| Chemokine: CCR2, CCR3, CCR5, CX3CR1, CXCR2 (IL8RA) |
| Cholecystokinin: CCKAR |
| Cholinergic: CHRM2 |
| Cysteinyl leukotriene: CYSLTR2 |
| Dopamine: DRD1, DRD3 |
| Formyl peptide: FPR1, FPR2 (FPRL1) |
| G protein-coupled receptor: GPR119 |
| Histamine: HRH3 |
| MAS related: MRGPRX1 (Mrg-X1) |
| Opioid: OPRK1 |
| Peroxisome proliferator-activated: PPARA, PPARD |
| Prostaglandin: PTGER1, PTGER2, PTGER3, PTGER4 |
| Serotonin: HTR2A |

| Ion Channels | |
|----------------|-------|
| HCN2 | P2RX4 |
| KCNA3 (KV1.3) | P2RX7 |
| KCNA5 (KV1.5) | TRPA1 |
| SCN9A (Nav1.7) | TRPM5 |
| P2RX3 | TRPM8 |
| P2RX2/P2RX3 | TRPV1 |

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

(release February 2016)

SERVICE OFFERED

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



ASSAY PANEL

- ✓ Stable transfected cell lines
- ✓ Validated for several uses
- ✓ Various read outs available

Contact us to receive further information on our offers

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INNOVATES, ENABLES, PERFORMS

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