

GPCR Screening Service

Creative Bioarray's GPCR screening service allows the characterization of lead compounds to be more accurate, enabling pharmaceutical and biotechnology companies to accelerate their lead optimization efforts.

G protein-coupled receptors (GPCRs) are valuable molecular targets for drug discovery, accounting for more than 10% of drug screening programs and more than 50% of today's commercially available pharmaceuticals. An important aspect of the early drug discovery process is the design and implementation of high-throughput GPCR functional assays that allow the cost-effective screening of large compound libraries to identify novel drug candidates.

Currently, the main trends in GPCR drug discovery involve not only the search for common ligands such as agonists or antagonists, but also inverse agonists and allosteric modulators. Creative Bioarray offers professional high-throughput GPCR screening services to identify potential drugs that target GPCRs.

Our state-of-the-art GPCR Solution

- Cell-based functional assay
- Cell-based high content screening (HCS)
- Ligand-receptor binding assay
- Ready-to-use GPCR cell lines

Multiplexed Readouts

- cAMP
- Calcium
- Internalization
- β -Arrestin
- IP3/IP1

Service Highlights and Benefits

- Multiple assay formats on GPCRs
- Pre-defined GPCR panel or customized GPCR panel
- Customized GPCR stable cell line generation
- High QC standards with attractive price
- Rapid turnaround time

Please contact us for more details on our GPCR screening services. Our experts will provide you with optimal solution for your GPCR screening project.

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