

# Kinase Screening and Profiling Services

Accelerate Your Research and Discovery

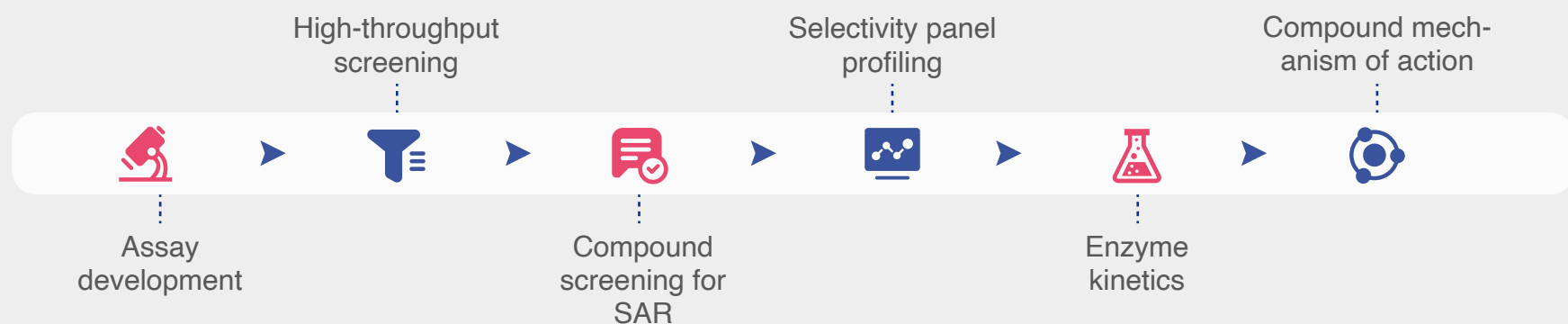
Kinases, also known as phosphotransferases, constitute a large family of enzymes that transfer phosphate groups from the high-energy donor molecule ATP to their specific substrates. Kinases are known to regulate the majority of cellular processes. The largest group in this family is protein kinases. So far, 518 different kinases have been identified in humans, and up to 30% of human proteins are modified by these kinases. The enormous diversity and their key role in cell signaling make them ideal targets for drug development.

As one of the important classes of drug targets, kinases are still an area of interest to both pharmaceutical industry and academia. To assist the efforts in kinase drug discovery, **Creative Bioarray** offers the largest collection of nearly 500 biochemical and cell-based kinase assays that can quickly determine the potency and selectivity of kinome-wide compounds.

## Available Kinase Panels

- Cytoplasmic Tyrosine Kinases
- Serine Threonine Kinases
- Receptor Tyrosine Kinases
- Other Kinases

## Broad Service Scopes



## Multiple Assay Platforms

- Radiometric assay platform
- Fluorescent assay platform
- Luminescent assay platform

## Features and Benefits

- Highly specialized & largest range
- Latest equipment & technologies
- Experienced staff
- Cost-advantage
- Customized & modularized services

We support HTS and routine SAR screening against enzyme targets using either assays developed by **Creative Bioarray** or assays transferred from customers.