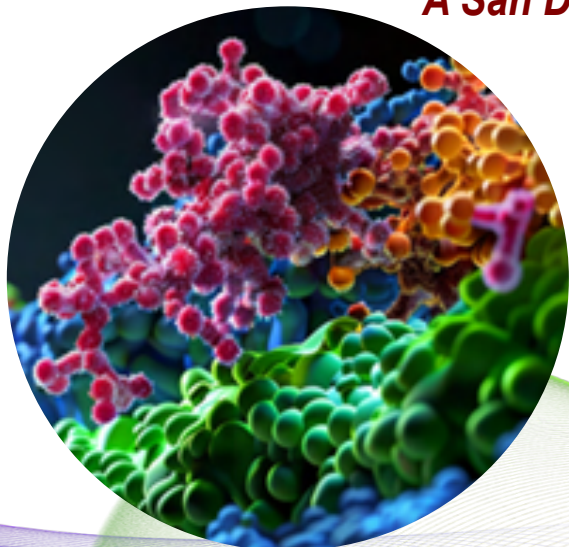


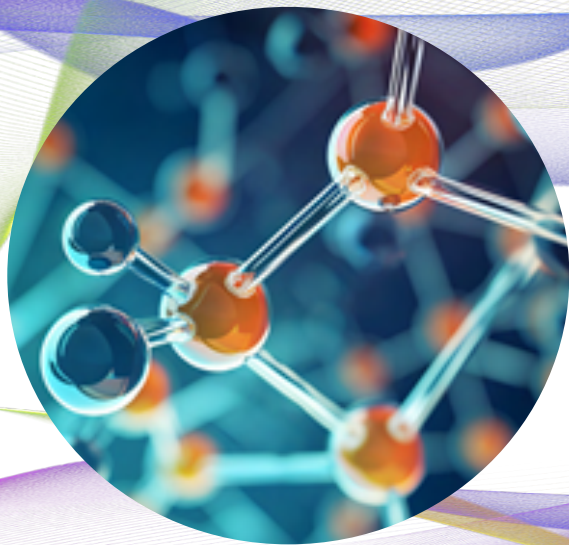


# Aurora Biolabs

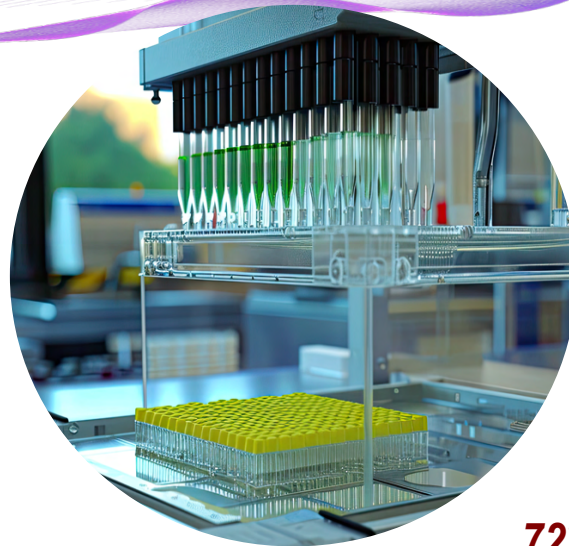
*A San Diego CA Biotech Company*



## Recombinant Proteins



## Assay Kits

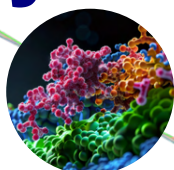


## 1-Stop Services

*7270 Trade Street, Suite 103, San Diego, CA 92121*

# Crystallography-Grade

High Purity  
High Activity



High Consistency  
High Stability

# Recombinant Proteins

Aurora Biolabs is a premier biotech company in Sorrento Valley, San Diego, CA. We manufacture all our recombinant products in our state-of-the-art, well-equipped facility in sunny San Diego, CA. We have decades of experience in manufacturing recombinant proteins for X-ray crystallography/CryoEM drug discovery applications.

**Protein Synthesis Capacity:** Micrograms to Grams, 50AA to 1000AA.

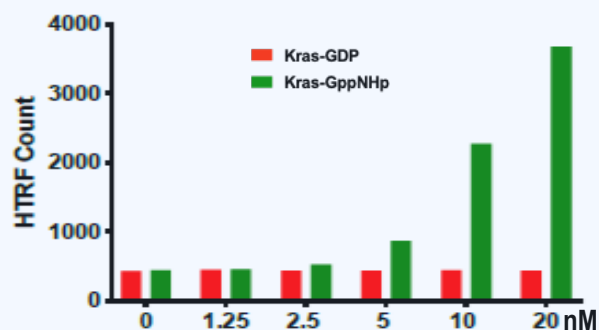
**Expression Systems:** *E. coli*, Insect Cell, Mammalian Cell (Transient/Stable), Lentivirus.

**Available Protein Formulations:** Lyophilized, Ready-to-Use, Carrier-Free, Animal-Free.

## Our Recombinant Proteins Are Known For:

- Batch-to-Batch Consistency
- Stringent Quality Control Tests
- Protein Purity: >95%, >98%, >99%
- Bioactivity: ED50 = 0.1-1.0 ng/mL
- Endotoxin: <1 EU or <0.1 ng/mL (LAL method)
- Mycoplasma Free

Kras (G12D)-cRAF Binding



## Cataloged Recombinant Proteins

### Cataloged Drug Target Proteins:

Kras WT, Kras mutants G12C, G12D, G12R, G12V, G13D with GDP or GppNHp loaded, SOS1, cRAF, CDKs, PKM2, EIF4E, MNK2, Bcl2, DNA Polymerase Theta (POLQ), PKMYT1, and More.

### Cataloged Cytokines/Growth Factors:

bFGF, aFGF, VEGF, and More.

### Cataloged LIF, SHH, ME Proteins:

Human Leukemia Inhibitory Factor (LIF), Mouse LIF, Human Sonic Hedgehog (SHH), Malic enzyme 1 (ME1), ME2, ME3, and More.

### Cataloged Tag Removal Proteases:

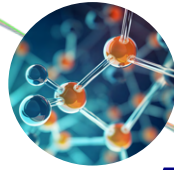
TEV, SUMO Protease (Ulp1), PreScission Protease (HRV 3C), and YopH.

### Cataloged SARS-CoV-2 Proteins:

Mpro/3CL, PLpro/NSP3, Helicase/NSP13, NSP7, and NSP8.

# Fluorescence

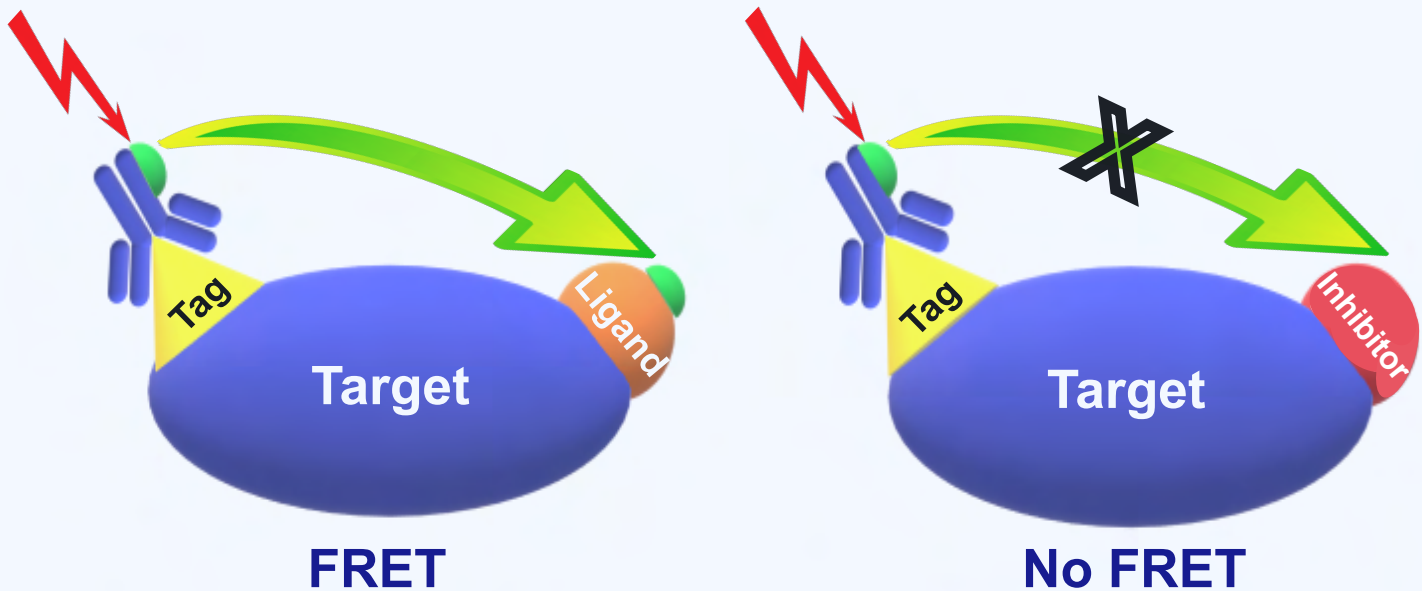
Convenient  
Time-Saving



Sensitive  
Accurate

# Assay Kits

Most of Aurora Biolabs' assay kits are HT Time-Resolved Fluorescence Resonance Energy Transfer (TR-FRET) assays. TR-FRET assays are convenient, fast, sensitive and highly quantitative. They are routinely used in drug target-inhibitor screening.



## Cataloged Assay Kits

Kras (WT/G12C/G12D/G12V/G12R)  
Nucleotide Exchange Assay Kit  
(400, 4000 reactions)

Kras (WT/G12C/G12D/G12V/G12R)  
cRAF Binding Assay Kit  
(400, 4000 reactions)

DNA Polymerase Theta Activity Assay Kit  
(96, 384 reactions)

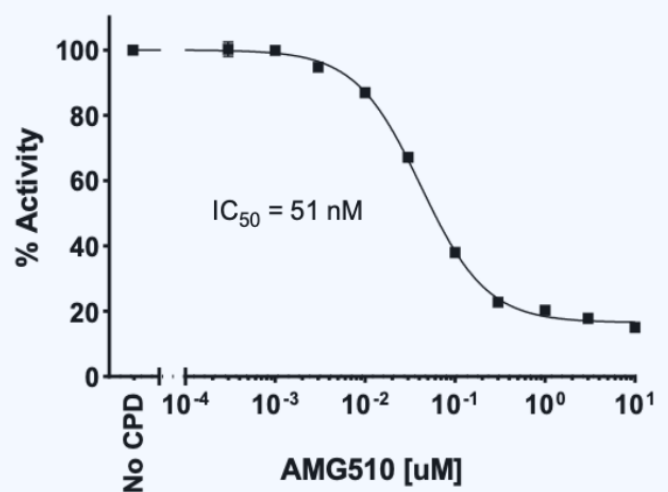
CDK2/CyclinA2 Assay Kit

WEE1/PKMYT1 Binding Assay Kit

eIF4E/eIF4G Binding Assay Kit

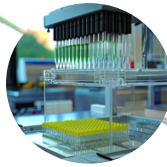
SARS-CoV-2 Mpro/PLpro Assay Kit

Kras (G12C)-Nucleotide Exchange



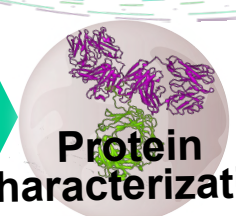
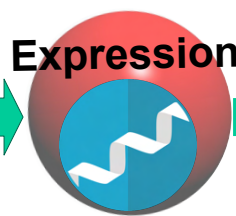
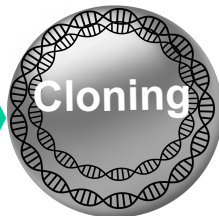
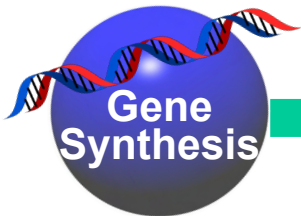
# One-Stop

Cost-Effective  
Expedient



Expert  
Experienced

# Services



## Proven Compound Screening Services With 150,000+ Compounds

Library	Compounds
Chembridge	40,000
Maybridge	14,080
LifeChemicals	28,160
Enamine 1	10,240
Enamine 2	20,160
NANOSYN	31,365
Selleckchem	1,585

## Assay Development & Service Menu

- ✓ Biochemical Assays
- ✓ Cell-Based Assays
- ✓ Kras Assays
- ✓ Kinase Assays
- ✓ TR-FRET Assays
- ✓ ADP-Glo Assays
- ✓ Custom Assays
- ✓ Fluorescence Polarization Assays
- ✓ SPR Binding Assays
- ✓ X-ray/CryoEM Crystal Structure Determination & Analysis

### Customization

We customize services & products based on your project needs and objectives. We provide free on-site/virtual project meeting and consultation.

## Past Client Examples

THE UNIVERSITY OF TEXAS  
**MD Anderson Cancer Center**

**Scripps Research**  
Science Changing Life

**salk**  
Where cures begin.



VANCOUVER  
PROSTATE CENTRE  
A UBC & VGH Centre of Excellence

**MIRATI**  
THERAPEUTICS

**QUIDEL**

**TriLink**  
BIOTECHNOLOGIES  
part of Maravai LifeSciences

**Turning Point**  
Therapeutics

**AVIDITY**  
BIOSCIENCES