

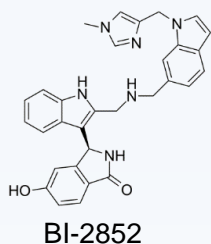
RAS Family

Ready to Go Assays • Customizable • Cost-Effective • Fast Turnaround Time

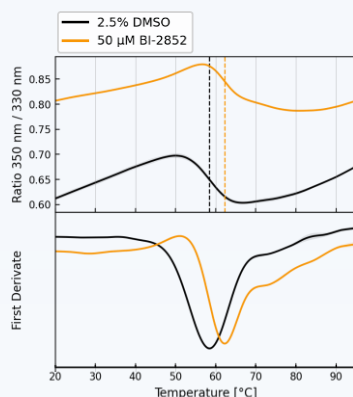
Ready-To-Go Biophysical and Biochemical Assays

- Analytics platform fully amenable to covalent & non-covalent chemical matter
- > 20000 small molecules screened
- Data delivery within 1-2 weeks after receipt of material

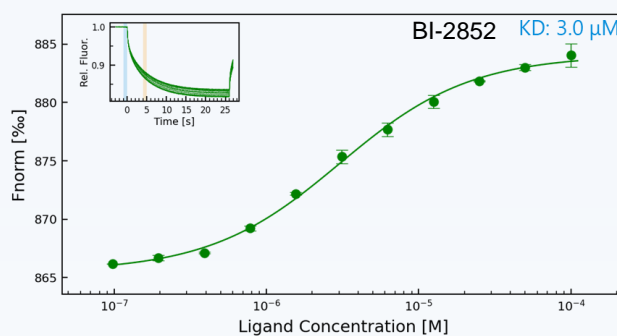
KRAS



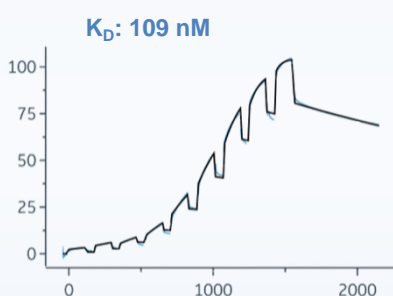
Labelfree TSA (nanoDSF)



Microscale Thermophoresis (MST)

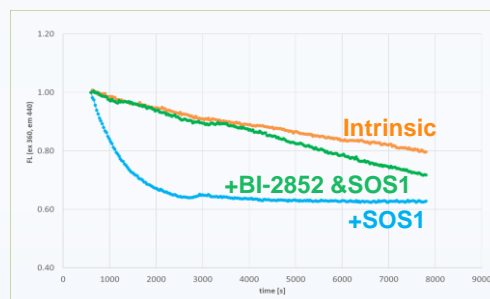


Surface Plasmon Resonance (SPR)

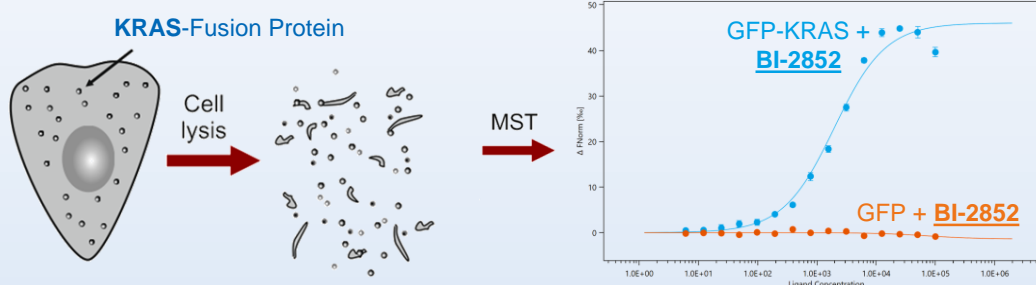


All assays for NRAS established as well

SOS1-mediated nucleotide exchange



Purification-Free MST in Eukaryotic Cell Lysates



One Stop Target-to-Hit

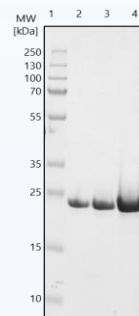
Prime Protein Production

Tailored solution for downstream applications readily available

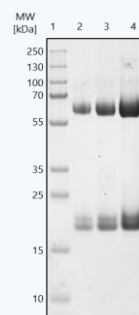
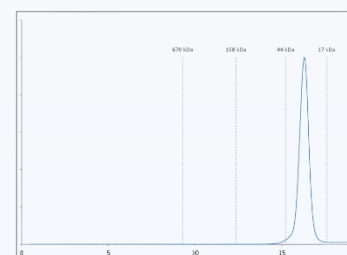
- Exchange procedure against a variety of nucleotides established (GMPPNP, GppCp, GTPγS)
- Off-the-shelf material delivered within 1-2 weeks
- New constructs produced in up to 6 weeks

Available Variants

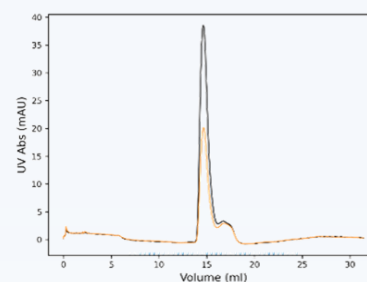
KRAS	wild type, G12V, G12D, G12C, Q61R, Q61H, C51S/C80L/C118S and more
NRAS	wild type, Q61R, Q61H, Q61K and more
HRAS	wild type
MRAS	wild type, Q71L



KRAS

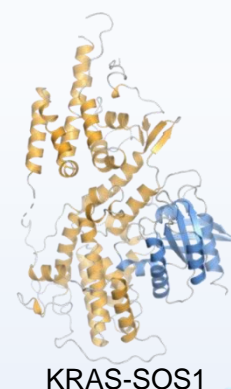
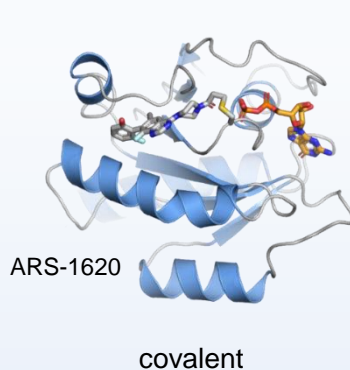
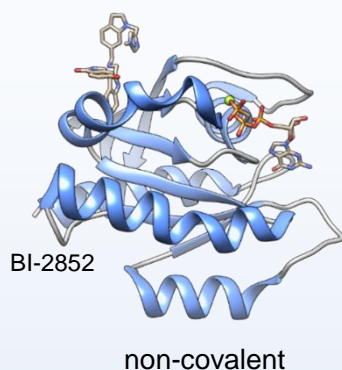


Nucleotide free
KRAS-SOS1 Complex



X-ray Crystallography

- Delivery of 1.5 – 1.9 Å crystal structures within 4 weeks
- Established systems for various disease relevant variants and according Cys-light construct
- Additional systems for related proteins e.g. RheB, SOS1 etc are available



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CreLux_CR@wuxiapptec.com
 BD USA: mahnaz_arjomand@wuxiapptec.com
 BD EU/UK/Israel: dave_madge@wuxiapptec.com

DB_Service@wuxiapptec.com
 BD China: xu_longji@wuxiapptec.com
 BD Japan: fumio_itoh@wuxiapptec.com
 BD Korea: sycho@wuxiapptec.com

