

One Stop Target-to-Hit Solutions at HitS

WuXi AppTec HitS - Fast Track Services

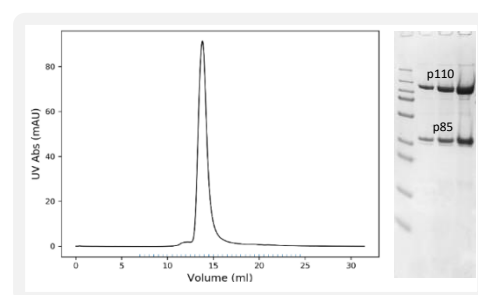
Established Systems ● Easy Access ● Flexible ● Cost-Effective ● Fast Turnaround Time

PIK3alpha

PRIME PROTEIN Production

Broad variety of constructs for biophysical assays and crystallography is available, e.g.:

- WT and mutant variants like H1047R, E542E, E545K, and T1061E
- Diverse truncated variants
- Various tagging schemes
- Proteins available in stock

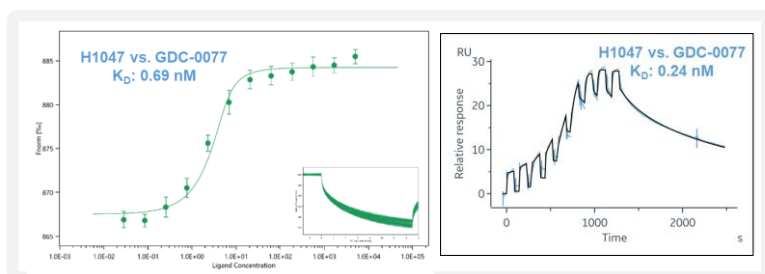


Protein QC for WT PIK3alpha complex:
Analytical SEC and Coomassie stained gel



Various biophysical and biochemical assays available:

- MST, SPR, nanoDSF, and ADP-Glo
- Two-week turnaround time

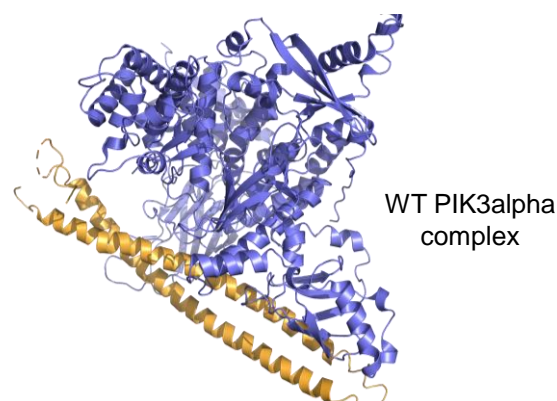


Biophysical characterization of PI3Kα H1047R: MST (left) and SPR (right)

WuXi Xpress Crystallization

Diverse crystallization systems established:

- WT, H1047R and T1061E complex variants
- Co-crystallization of orthosteric and allosteric compounds
- > 10 structures delivered, average resolution range of 2.9 Å (highest resolution 2.6)
- Two-month turnaround time



Contact us for more capabilities and attractive work model

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Protein Production

Scan the QC code or click the link below to see the full list of stocked proteins
<https://hits.wuxiapptec.com/solution-protein-list>



Our established Ready-To-Go Assays:

Target	UniProt ID	Protein Production	MST/TRIC	nanoDSF	SPR	X-ray crystallography	Biochemical Assay
BLM	P54132	✓	✓	✓	–		
CCNA2/CDK2 Complex	P24864/ P24941	✓	✓	✓	✓	✓	
CCNE1/CDK2 Complex	P24864/ P24941	✓	✓	✓	✓	✓	
CDK7	P50613	✓	✓	✓	–		ADP Glo
CRBN/DDB1	Q965W2/Q16531	✓	✓	✓	–		
cREL	Q96HD1	✓	✓	✓	–		
DOCK5	Q9H7D0	✓	✓	✓	–		Nucleotide Exchange
EGFR	P00533	✓	✓	✓	–	✓	ADP Glo
GRB2	P62993	✓	✓	✓	–	✓	
KRAS	P01116	✓	✓	✓	✓	✓	Nucleotide Exchange
MALT1	Q9UDY8	✓	✓	✓	on-going	✓	
MAP4K1	Q92918	✓	✓	✓	on-going	✓	
NLRP3	Q96P20	✓	✓	✓	✓		ADP Glo
NRAS	P01111	✓	✓	✓	✓		Nucleotide Exchange
p38	Q15759	✓	✓	✓	✓	✓	
PIK3CA/PIK3R1 Complex	P42336/ P27986	✓	✓	✓	✓		ADP Glo
PolQ	O75417	✓	✓	✓	✓		
PRMT5/WDR77	O14744 / Q9BQA1	✓	✓	✓	✓	✓	
SHP2	Q06124	✓	✓	✓	–		
SIK3	Q9Y2K2	✓	✓	✓	–	✓	
SLC2A1 (GLUT1)	P11166	✓	✓	✓	–		
SMARCA2	P51531	✓	✓	✓	–	✓	ADP Glo
SOS1	Q07889	✓	✓	✓	–	✓	Nucleotide exchange
STAT6	P42226	✓	✓	✓	✓	✓	
STAT3	P40763	✓	–	✓	✓		
STAT4	Q14765	✓	–	✓	✓		
STING	Q86WV6	✓	✓	✓	✓	✓	
TCEB1/TCEB2/VHL Complex	Q15369/ Q15370/ P40337	✓	✓	✓	✓	✓	
USP7	Q93009	✓	✓	✓	✓	✓	
WEE1	P30291	✓	✓	✓	–	✓	
WRN	Q14191	✓	✓	✓	✓		DNA unwinding assay

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