

A Better Start For Hit Discovery

For each family-i.e. kinases, DNA- and RNA- modifying enzymes, membrane proteins, etc.- gain access to our established systems, strategies and valuable experience that address even the most significant challenges of recombinant **protein production**.

Expertise in All Target Classes & Challenging Proteins

Covering All Target Classes and Disease Areas

- 01. Cancer and inflammation**
ATM, AMPK, NEK7, PI3K, ROR1, SRC, ULK1, WEE1...
- 02. Membrane Proteins**
Glucose transporter, P2X3, GPR40, CNR1, β 2AR...
- 03. DNA Damage Response**
ATM, ATR/ATRIP, CHK1, CHK2, CDKs and cyclins ...
- 04. Neurodegeneration**
BACE1, PDE, NFE2L2, PTPN1, MAO-B, NTRK1, JNKs...
- 05. RNA/DNA Mod. Proteins**
Cas9, FEN1, EME1, DDX58, SMD1, WRN, SMARCA...
- 06. Epigenetic Targets**
BRD2, BAZ1A, CREBBP, SIRTuins, HDACs, EHMT1...
- 07. Immune System**
cGAS, STING, IL1, ILRL1, MMPs, antibodies...

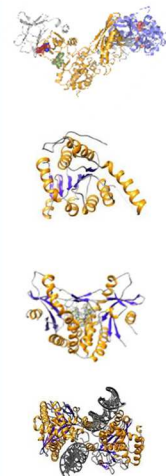
Over
1200
Proteins
Produced
to Clients
worldwide

1200
Assay Grade
Proteins
(verified for
biophysical methods)

>250
Crystallization
Grade Proteins
(verified crystallization
protocols)

Expertise in Challenging Proteins

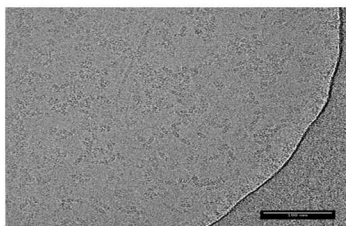
- 01. Protein Complexes**
AMPK – AMP activated protein kinase
- DNA Modifying Proteins**
SMARCA2 – transcriptional regular / chromatin remodeling
- Immune Therapy**
STING-stimulator of interferon genes
- 02. Rare Diseases**
cGAS-DNA sensor in the STING pathway
- Membrane Proteins**
P2X3-ATP-gated ion channel, CNR1, GPR40, Glucose transporter...
- 03. RNA Modifying Proteins**
DDX58 – ATP-dependent RNA helicase



Protein
Catalog list

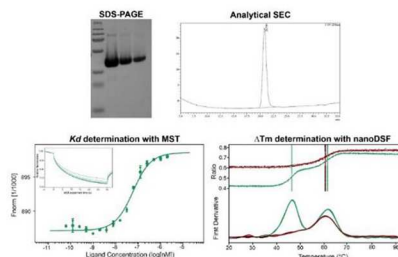
With Focus On Protein Quality And Stability

Cryo-EM images endorse excellent protein quality of 700 kDa dimeric soluble complex



CRELUX Cryo-EM Protein
HEK293 / multistep purification
Excellent particle distribution and density

Mass spectrometry and nanoDSF analyses guarantee the identity and proper folding of a protein



CRELUX Protein
E. coli / multistep purification



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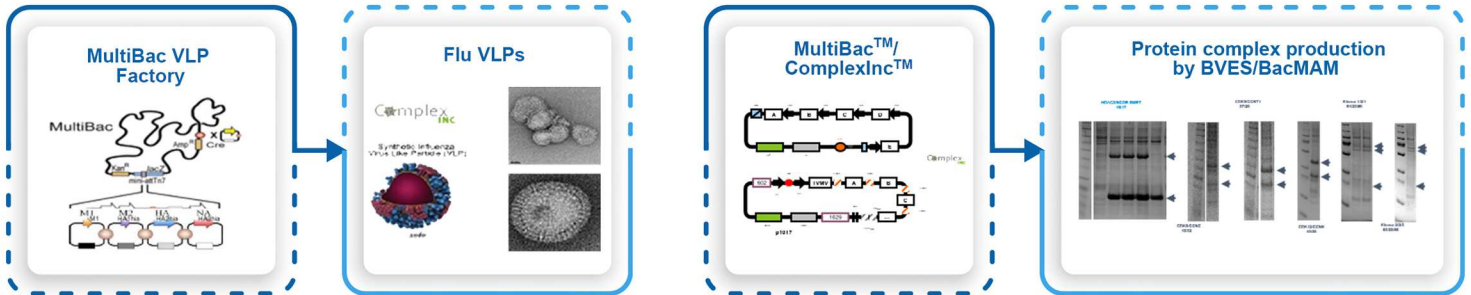
WuXi AppTec HitS
CRELUX

Enhanced Protein Expression Tools

Advanced co-expression vectors enable reliable production of protein complexes

01. Insect cell co-expression of protein complexes

02. Mammalian / Insect cell co-expression of protein complexes

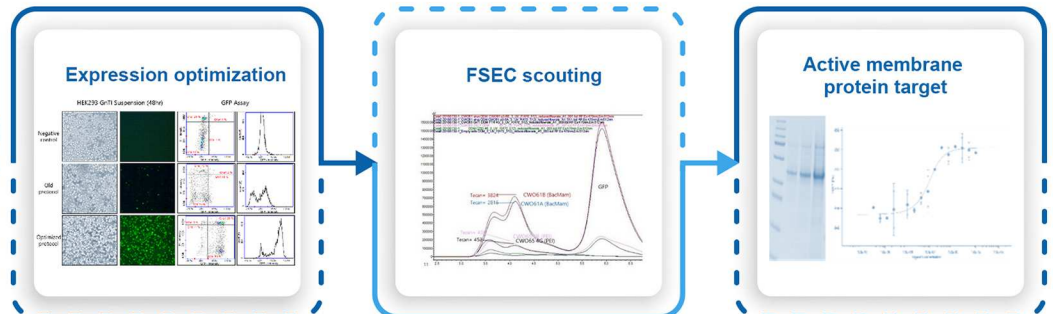


Fast-forward platforms for accelerated parameter optimization

01. host/ construct scouting
parameter scouting
/ small scale production

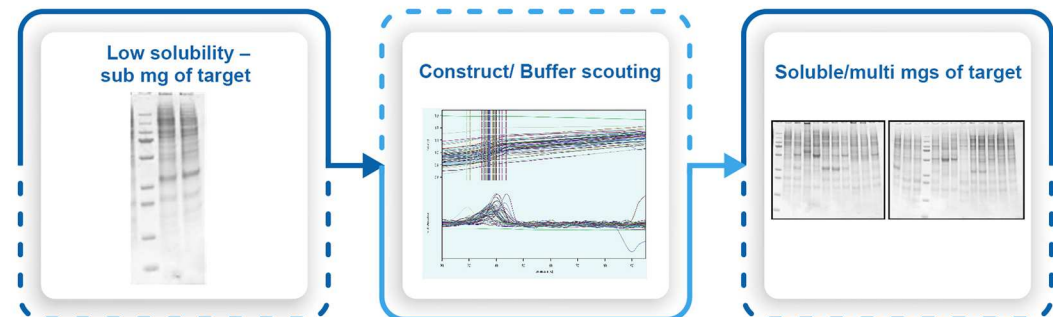


02. Technology-driven optimisation
Fluorescence based membrane
protein production



In-process application of biophysical techniques enable quality focused results

01. Yield optimisation nanoDSF
enabled buffer optimisation



02. Quality evolution DLS enabled
buffer optimisation

