

YOU NAME YOUR PROTEIN –
AND WE WILL DELIVER !

COMPANY OVERVIEW

PROTEIN PRODUCTION AND ANALYTICS

- Discovery and preclinical stage CRO
- Track record of solving challenging problems
- Experienced protein scientists (30% PhD level)
- State-of-the-art platforms and facilities
- On-time delivery with the highest quality



OPERATIONS AND QUALITY ASSURANCE

- ISO 17025 and cGLP compliant research
- LIMS Laboratory information management system
- Project risk sharing policy
- Online reporting available for clients

COMMITMENT

- Dedicated project manager and custom approach
- Excellent support with 3h response time
- Highest confidentiality standards
- Logistics and shipping support



PROTEIN EXPRESSION

- Bacterial, Yeast and Mammalian platforms
- Protein & DNA construct engineering
- Large collection of expression hosts and vectors
- Biofermentation capacity (2, 10, 40, 120, 1000 l)
- Process optimization
- Preclinical grade
- Generation of stable clones
- Batch, fed-batch and continuous modes



PROTEIN PURIFICATION

- IEX, affinity, IMAC, HIC, SEC, RP-HPLC
- >98% purity, non-tagged approach preferred
- Formulation optimization (stability, concentration)



PROTEIN REFOLDING

- Proprietary HTS protein refolding screens
- Toxic and insoluble proteins





QA/QC ANALYTICS

- Purity (qPAGE, WB, SEC, UV-Vis, qPCR, HPLC)
- Identity (MS, MS/MS, N-/C-terminal sequencing)
- Activity (SPR, ELISA, FACS, MTT)
- Aggregation/oligomerization (DLS, SEC)
- Stability (DSC, CD, FL)
- Structural analysis (CD)



BIOASSAY DEVELOPMENT

- Protein-ligand interactions, kinetics
- SPR, ELISA, ITC, FACS, fluorescent, MTT



scFv ANTIBODY DISCOVERY PLATFORM

- Any antigen (toxic, non-immunogenic, whole cell)
- Robust phage display library selection & screens
- High affinity and specificity by QbD
- Healthy vs. diseased selection if marker not known
- Antibody engineering, reformatting



CUSTOM ANTIBODY ASSAY DEVELOPMENT

- Specific conjugations to:
 - drugs
 - fluorescent probes
 - PEGs
 - oligonucleotides



PROTEIN EXPRESSION AND PURIFICATION • ANALYSIS OF MACROMOLECULES
RECOMBINANT ANTIBODIES • ASSAY DEVELOPMENT



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