

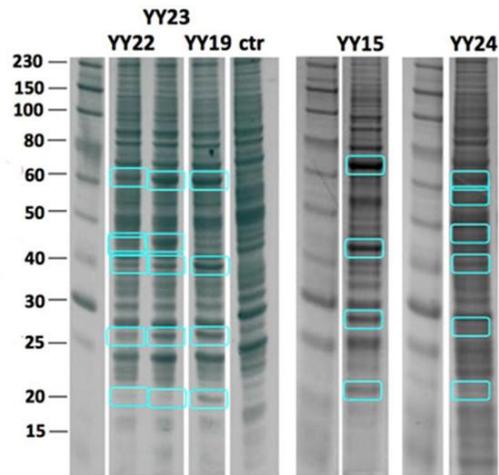
ComplexINC: Novel Tools for Complex Protein Expression Tasks

Fast access to large protein complexes and high quality proteins

Over the last four years CRELUX has been collaborating with a number of internationally leading experts in protein expression and synthetic biology to create a comprehensive set of **innovative** tools for the fast and efficient production of large multimeric protein complexes in insect and mammalian cells. The work was funded with 6 million Euro by the European Commission in Framework Program 7 and jointly coordinated by Crelux and the Berger group at EMBL Grenoble. In the recent review of the project, the ComplexINC consortium was classified as exceptionally **productive**, a **highlight**, a **success case**, and of **significant R&D breakthrough** character.

As a result of this four year project, Crelux can now provide access to the world's most advanced baculovirus tools and processes for fast and efficient production of ultrahigh quality proteins and large protein complexes with currently up to ten different subunits expressed from the same virus. Using our proprietary **bi-TURBO** vectors we can now get first test-expression results within three weeks from planning a set of expression constructs. Our revolutionary **ComplexLINK** technology completely avoids cumbersome co-infection protocols that rely on using a number of different viruses that are inherently extremely difficult to control and usually result in low protein yields.

"We are very happy having received this outstanding evaluation", states Ismail Moarefi, joint Coordinator of the ComplexINC project and CSO of Crelux. "This excellent collaborative effort puts us in a position to offer the world's most advanced protein expression tools to deliver biophysical and biochemical analyses to our customers using ultra high quality protein and protein complexes."



Some examples of ComplexLINK viruses overexpressing up to seven different proteins from the same virus.

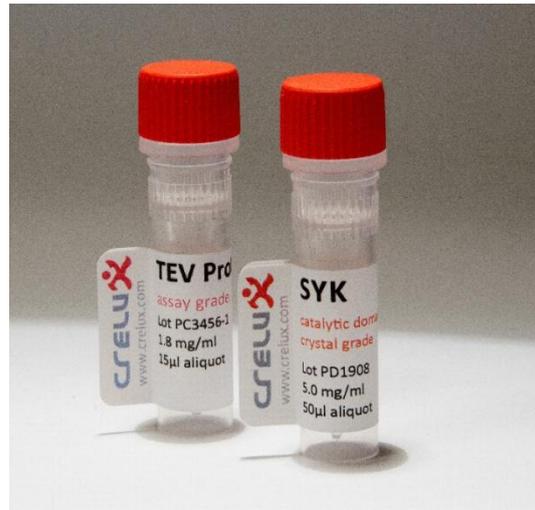
The research leading to these results has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement N° 279039.

To learn more about ComplexINC visit the website at: <http://www.complexinc.eu/>

PRIME PROTEIN: Off-the shelf protein supply of proteins

Within the ComplexINC project, our partner Centro de Investigaciones Biologicas, CIB-CSIC has developed a protocol to produce several factors of the complement system recombinantly at high yields: e.g. Human arg-C5a and desarg-C5a, Human C5a antagonist and Human Factor B (fB). We are now in a position to distribute this to our clients at significantly lower cost than from existing commercial sources. The importance of the complement system as a target for therapy in inflammatory and denegenerative diseases has recently been reviewed by Morgan & Harris, Nature Reviews Drug Discovery, 2015, Vol. 14, pp. 857.

PRIME PROTEIN is a standard product of CRELUX providing you with your recombinant protein of choice in the buffer of choice and at a competitive price. We do not run a catalogue, but most of our XPRESS targets are immediately available, purified to highest homogeneity for assays, biophysics or screening.



Please contact us for a detailed offer.

Recombinant proteins produced at CRELUX.

Meet us at

[Bio Europe Spring](#), April 4-6, Stockholm, Sweden

[2nd Drug Discovery Forum](#), May 8 -11, Munich, Germany

[RICT 2016](#), July 6-8, Caen, France

[Discovery on Target](#), September 19-22, Boston, MA



CRELUX GmbH - Am Klopferspitz 19a - 82152 Martinsried – GERMANY
Dr. Michael Schaeffer - +49 (0)89 700 760 170 - schaeffer@crelux.com