

Cloning and Expression in E.coli and Baculo

fon:
+49 (0)7357 - 91 63 77
fax:
+49 (0)7357 - 91 63 78
eMail:
info@genaxxon.com
internet:
www.genaxxon.com

From the gene to the protein

From having a piece of DNA it can still be a long way to go for having cloned a gene or even having a purified and active protein in your hand.

We at Genaxxon BioScience know these problems well and offer our knowledge to overcome your problems with cloning and expression. The Genaxxon BioScience service is not restricted to *E. coli* only, but uses also the Baculo virus - insect cell expression system to synthesise correctly matured, folded and processed recombinant proteins or eucaryotic systems.

Genaxxon BioScience offers you not only custom services for cloning and gene expression but also a complete service ranging from oligonucleotide synthesis, PCR-amplification, cloning to expression, isolation and purification, as well as the production of antibodies for your immunological studies.

Cloning and more

- PCR amplification of supplied gene followed by subcloning in a vector of your choice
- subcloning from one vector into another (e.g. expression vector), sticky or blunt, easy or complicated
- production of the recombinant transfer vector for co-transfection
- construction of recombinant Baculo virus
- cloning of synthetic genes
- synthesis and cloning of cDNA
- mutagenesis
- construction of libraries
-

Expression and more

- generation of high titer stock
- control of expression and optimisation
- expression from small scale (flask) to large scale (fermenter)
- *Escherichia coli*, *Saccharomyces cerevisiae*, Baculo System
-

Purification and more

- affinity purification of protein
- individual purification procedures other than affinity
- purification of inclusion bodies and re-naturation
- activity testing
- immunisation
-

Genaxxon BioScience Cloning and Expression Service and Price list

Catalog No.	Service description		Price (Euro)
P2001.0000	Library construction	set-up	on request
P2002.0001	Cloning of PCR product (< 1000 bp)	clone	1250,00
P2002.0002	Cloning of PCR product (> 1000 bp)	clone	on request
P2003.0001	Verification sequencing (< 300 bp)	clone	51,45
P2003.0002	Verification sequencing (> 300 bp)	per base	0,19
P2005.0001	Subcloning (sticky end, < 2000 bp)	clone	505,75
P2005.0002	Subcloning (blunt end, < 2000 bp)	clone	575,75
P2005.0003	Subcloning (difficult enzymes or fragments)	clone	on request
P2007.0000	Synthetic genes	bp	5,62
P2008.0000	cDNA cloning (synthesis and cloning)	clone	2499,00
P2009.0010	Plasmid preparation (up to 10 µg)	per plasmid	12,60
P2009.0100	Plasmid preparation (up to 100 µg)	per plasmid	75,75
P2009.0500	Plasmid preparation (up to 500 µg)	per plasmid	275,75
P2009.1010	Plasmid preparation (up to 10 mg)	per plasmid	890,00
P2010.0000	Transformation of plasmid-DNA	per plasmid	33,08
P2011.0000	Protein expression (fermenter)	5 L	2850,00
P2011.0003	Protein expression Screening (<i>E. coli</i>)	per condition	139,50
P2011.1000	Protein expression (flask)	1 L	537,50
P2012.0000	In vitro mutagenesis, incl. primer design and verification sequencing	set-up	981,75
P2013.0000	Concentration of "inclusion bodies"	1 L	on request
P2014.0000	Cold osmotic shock (1L culture) to isolate periplasmatic proteins	1 L	295,00
P2016.0000	Subcloning of customer construct into baculovirus transfer vector	clone	1888,95
P2021.1000	Affinity protein purification (1L flask)	per protein	1442,70
P2021.5000	Affinity protein purification (5L flask)	per protein	3148,95
P2041.0001	Cloning of eukaryotic expression vector	set-up	992,25
P2144.0000	Cloning of synthetic DNA	set-up	685,00

Prices valid from January 2008

For more information, please contact Genaxxon at: www.genaxxon.com