

This offer is valid for one small-scale test production of recombinant antibodies via transient gene expression (TGE) in HEK cells

Included Services:

- cDNA-synthesis and cloning into expression vector
- Transient gene expression in HEK cells
- One-step purification by affinity chromatography
- Quality control by capillary gel electrophoresis (CGE) + analytical size exclusion chromatography (SEC)

Deliverables:

- 40 mg purified antibody (guaranteed)
- Certificate of Analysis
- *optional:* cDNA in synthesis vector (1-2 µg)

Turnaround Time: 10-12 weeks

Price: € 5 500.00 *For special or additional services extra costs apply*

INSTRUCTIONS

Please complete this form and send it to info.invivo@bruker.com. Fields marked with an asterisk are mandatory. Not available or confidential information can be marked with "n/a".

CONTACT INFORMATION

| | Billing Address | Delivery Address <i>(if different)</i> |
|-------------------------|-----------------|--|
| Name* | | |
| Company or Institution* | | |
| Department | | |
| Address* | | |
| Phone* | | |
| Email* | | |
| VAT Number* | | |

ANTIBODY AND SEQUENCE INFORMATION

| | |
|--------------------------------|---|
| Name* | |
| Species of Origin* | Mouse Rat Rabbit Human Other: |
| Amino Acid Sequence LC* | |
| Amino Acid Sequence HC* | |

DNA DESIGN, CLONING AND PLASMID PREPARATION

For efficient TGE in HEK cells, InVivo uses a proprietary expression vector; cDNA synthesis is performed by a subcontractor. The DNA-sequence is codon optimized for expression in mammalian cells; restriction sites for subsequent cloning are added, as well as signal peptides for efficient protein secretion.

The preparation of transfection-grade plasmid DNA occurs via InVivo's own plasmid preparation method.

CULTIVATION AND TRANSFECTION

Cultivation of HEK cells occurs in suspension under serum-free conditions according to InVivo standard protocols. Transfection of cells is performed using **INVect** transfection reagent. The expression culture is subsequently propagated with an appropriate feeding strategy.

If specific growth conditions (e.g. vitamins or other additives) are required, then please provide this information below and specify the concentration.

| |
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PROTEIN PURIFICATION

One-step protein purification is performed via antibody-specific affinity chromatography according to InVivo standard protocols. Elution occurs via citric acid (pH adjustment via K_3PO_4).

The final product is sterile filtered (standard concentration ≥ 0.5 mg/mL) and stored in PBS buffer, pH 7.4 w/o additives.

For polishing, multi-step protein purification (e.g. IEX, preparative SEC) can be performed if needed, but additional costs apply. Also, endotoxin-free purification can be performed at additional costs.

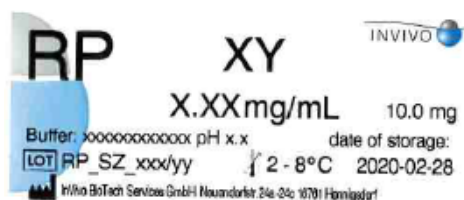
| | |
|-------------------------|---|
| Polishing* | Not required Multi-step purification; please specify: |
| Endotoxin Limit* | No special requirements Endotoxin-free purification (< 10 EU/mg) |

QUALITY CONTROL

For quality control, protein concentration is determined via photometric measurement ($A_{280\text{ nm}}$), purity is analysed via CGE (aim $\geq 90\%$) and aggregation level via analytical SEC. Storage and delivery occurs in bulk at $2-8^{\circ}\text{C}$.

If special requirements apply for quality (e.g. a defined purity level and/or concentration), storage conditions (e.g. storage at $\leq -15^{\circ}\text{C}$, a defined final buffer and/or aliquot sizes) or shipment, then please provide this information below. Note that additional costs may apply.

LABEL (EXEMPLARY)



ADDITIONAL COMMENTS

EXPORT CONTROL STATEMENT*

With reference to Council Regulation (EU) No 2021/821 of the EUROPEAN PARLIAMENT and of the council of 20 May 2021 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items, your action is required.

Please indicate whether the item to which this form relates (e.g. antigen, or antibody, or derivatives or progenies thereof) is suitable for the detection of biological agents (e.g. pathogens or toxins) listed in Category 1 Class C of Annex I to Council Regulation (EU) No 2021/821 under positions 1C351, 1C353 or 1C354 (see link: Publications Office (europa.eu)).

Suitable

Not Suitable

| | |
|-----------------------------|--|
| Name (and Title)* | |
| Affix Company Stamp* | |
| Place and Date* | |
| Signature* | |

In case the item is suitable for the detection of biological agents listed in Annex I to Council Regulation (EU) No 2021/821, then please provide further information regarding the product name, product information and export list number:

| | |
|----------------------------|--|
| Product Name | |
| Product Information | |
| Export List Number | |