

Data Sheet

Plasmid BacMam CT eGFP-CL7-His8

SKU No.: 20-4100

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|------------------------------|--|
| Description | BacMam CT eGFP-CL7-His enables target proteins to be labeled with C-terminal eGFP, CL7, and His8 tags. Protease cleavage removes all tags. |
| Expression | The plasmid is designed for transient expression in mammalian cells or for baculovirus transduction of mammalian cells (BacMam). Expression is constitutive and driven by the CMV promoter. A Kozak sequence should be added to the 5' end of the gene insert for efficient translation. |
| Affinity Tag | The C-terminal CL7 tag is between the eGFP and His8 tags, and a PreScission protease (PSC) cleavage site is N-terminal to all tags. |
| Cleavage Site(s) | N-terminal PSC P |
| Other Tags | eGFP tag is N-terminal, followed by CL7, then His8. |
| Antibiotic Resistance | ampicillin, gentamicin |
| Mammalian selection | NONE |
| Form | 10 µg, dissolved in water |
| Concentration | 500 ng/µL |
| Stability | 12 months after shipping |
| Storage | -20° C |
| Shipping | Room temperature |

You can download full protocols from <https://trialtusbioscience.com/pages/protein-purification-protocols>.

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Not for diagnostic or therapeutic use.

Licensing Information

TriAltus Bioscience holds the exclusive, worldwide license to the CL7 protein purification technology platform. It was licensed from the University of Alabama at Birmingham (UAB) in Birmingham, Alabama, USA. An international patent filing has been made with protection being sought in the United States, Europe, and other major markets. The CL7 purification technology is available for research use. For commercial use or resale, contact us at sales@trialtusbioscience.com to discuss commercial licensing.

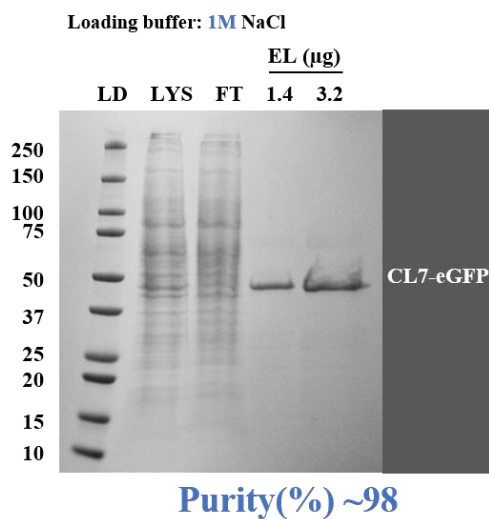
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Product Data

Expression and purification of CL7-eGFP from HEK293T cells (Coomassie stained gel)



LD – ladder; LYS – lysate; FT – flow through; EL – eluate

HEK293T cells, grown in DMEM, were transfected with Fugene and plasmid BacMam NT His8-CL7-eGFP according to manufacturer's instructions. After 48 hours, lysate was collected, adjusted to 1M NaCl, and purified on an Im7 column using alternating 0M and 3M NaCl washes. Elution was accomplished with 3.6M MgCl₂ pH 6.6. Eluate was buffer-exchanged and concentrated for SDS-PAGE analysis.

Fig. 1. Expression and purification of CL7-tagged eGFP from HEK293T cells