

Data Sheet

BacMam NT His8-CL7-eGFP

SKU No.: 20-4000

Description	BacMam NT His8-CL7-eGFP enables target proteins to be labeled with N-terminal His8, CL7, and eGFP 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 is immediately upstream of the start codon.
Affinity Tag	The N-terminal CL7 tag is between the His8 and eGFP tags, and a PreScission protease (PSC) cleavage site is C-terminal to all tags.
Cleavage Site(s)	C-terminal PSC P
Other Tags	His8 tag is N-terminal, followed by CL7, then eGFP.
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.

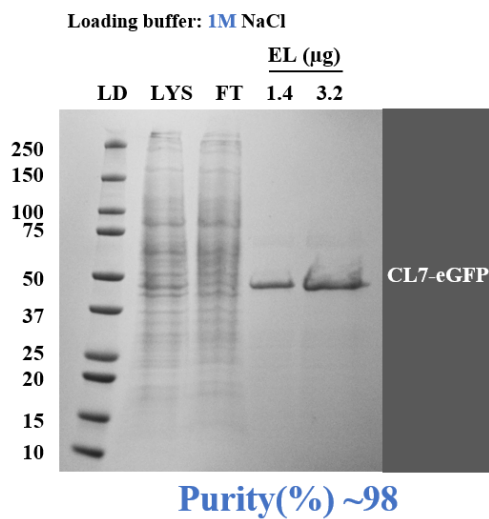
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Product Data

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