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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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Licensing Information

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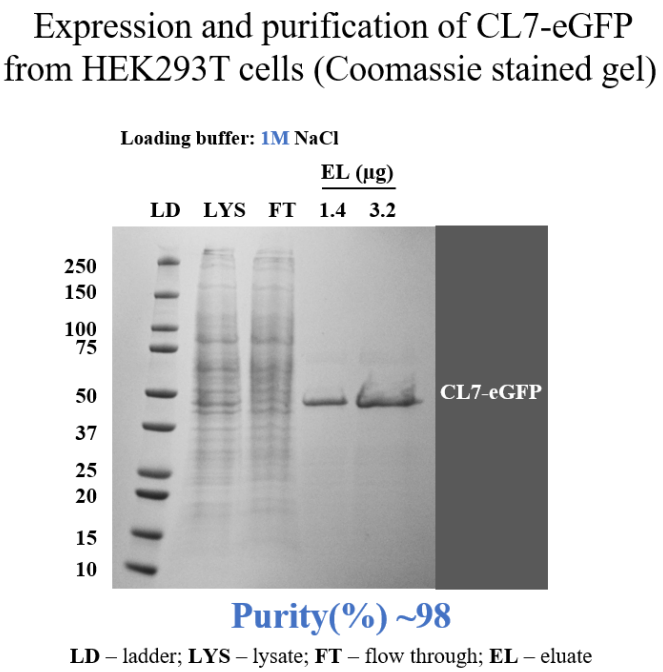
Version: 1.1
Revision Date: 03/010/21

Product Data



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