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Data Sheet

Plasmid BacMam CT eGFP-CL7-His8

SKU No.: 20-4100

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.

For research use only.
Not for diagnostic or therapeutic use.

Version: 1.0
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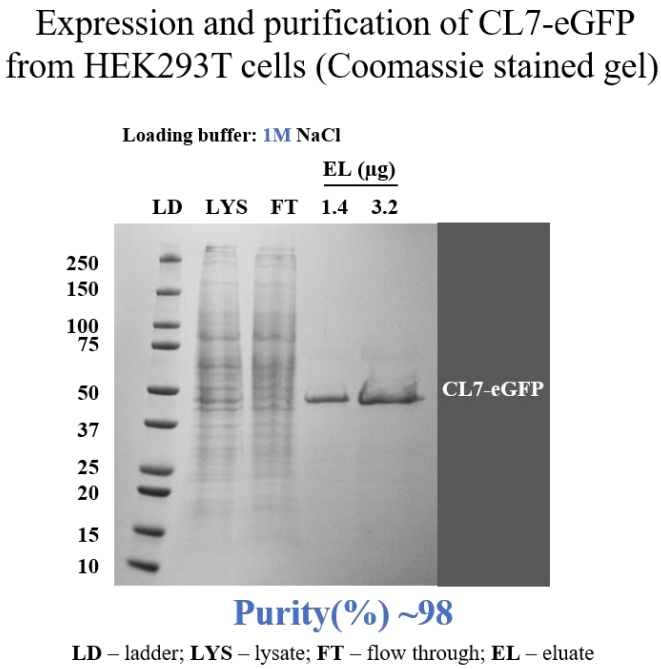
Product Data



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