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Data Sheet

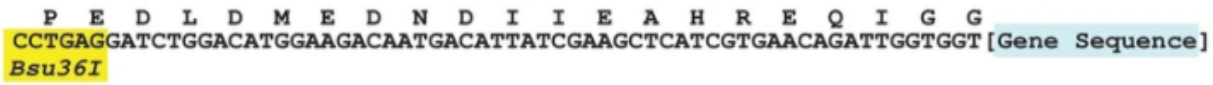
Plasmid #32

SKU No.: 20-3200

Description	Plasmid #32 enables target proteins to be labeled with an uncleavable N-terminal His8 and a cleavable C-terminal CL7 tag.
Expression	Transcription is induced with IPTG and driven by the T7 RNA polymerase. The plasmid is designed for expression in *E. coli*.
Affinity Tag	The C-terminal CL7 tag is downstream of three PreScission protease (PSC) and one Sortase A (SRT) cleavage site.
Cleavage Site(s)	An N-terminal SUMO cleavage site exists upstream of the His8 tag. One SRT and three PSC cleavage sites exist between the target protein and the CL7 tag.
Other Tags	Plasmid #32 includes N-terminal Trx and His8 tags.
Resistance	Kanamycin
Form	100 ng, dissolved in water
Concentration	30 ng/µL
Stability	6 months after shipping
Storage	-20° C
Shipping	Room temperature

Cloning Options

1. HindIII/SpeI Insertion Site – Trx | SUMO | His8 | Gene of Interest | SRT | PSC | PSC | PSC | CL7
   This insertion scheme results in 16 extra aa (including His8 tag) at the N terminus of the target following SUMO protease cleavage
2. KpnI/SpeI Insertion Site – Trx | SUMO | His8 | Gene of Interest | SRT | PSC | PSC | PSC | CL7
   This insertion scheme results in 11 extra aa (including His8 tag) at the N terminus of the target following SUMO protease cleavage.
3. Bsu36I/SpeI Insertion Site – Trx | SUMO | Gene of Interest | SRT | PSC | PSC | PSC | CL7
   This insertion scheme maintains the Gene of Interest's wildtype sequence, without adding any extra residues. The N-terminus of the Gene of Interest must include the following to complete the SUMO C-terminal sequence:



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

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Licensing Information

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