

CLICK'N CUT™

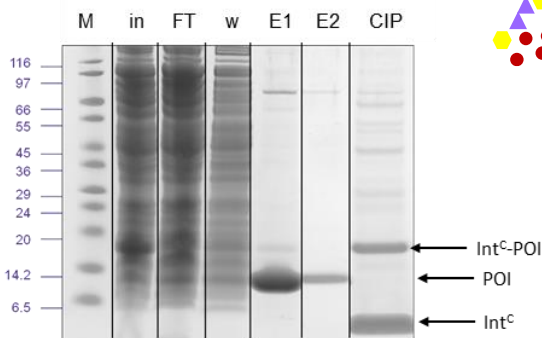
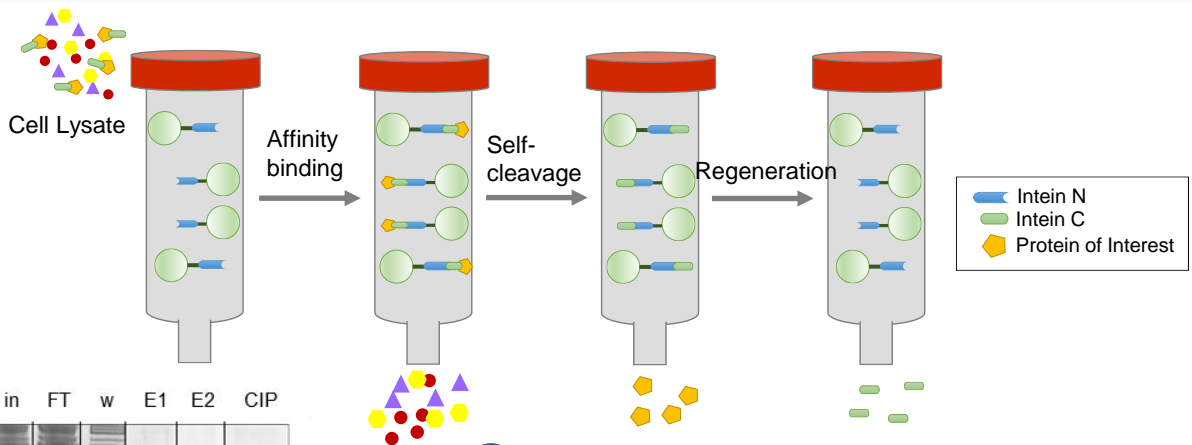
The technology for tag-less protein purification

Universal and robust tool to purify tag-less proteins in a one-step process based on intein affinity. Suitable for every step of product and process development: R&D, pre-clinical, clinical and industrial manufacturing.

KEY FEATURES of CLICK'N CUT™ technology

- Universal system to purify any Protein Of Interest (POI)
- High purity (>95%)
- Fast (5 hours to pure, tag-less POI)
- Simple: cleavage is triggered on column by a pH shift at physiological conditions
- Compatible with common expression host and buffers
- Generates a clean cut with no extra residues
- No premature cleavage during protein expression
- Cleavage takes place regardless of the identity of the first POI's amino acid

How does CLICK'N CUT™ technology work?



- 1 POI recombinantly produced in the host of choice fused to Int^C.
- 2 Resin, with Int^N covalently linked to it, captures Int^C-POI fusion thanks to the high affinity existing between the two intein domains. All undesired proteins are washed away.
- 3 Intein mediated cleavage is triggered by a change in buffer's pH.
- 4 Pure tag-less protein elutes from the column
- 5 The column can be easily regenerated.

Dynamic binding capacity	2 mg/mL of resin for a 13 kDa model protein
Purity	> 95%
Reusability	Resin activity is constant for at least 10 column runs
Stability	12 months
Storage temperature	4 °C
Storage buffer	100 mM Tris pH 8, 200 mM NaCl, 20 % EtOH, 250 mM L-arginine