

## Spot-Cap for protein purification

Versatile affinity resin with superior selectivity for high yield and purity

- ▶ Tight and selective binding to Spot-Tag® (PDRVRAVSHWSS)
- ▶ High binding capacity and multiple regeneration cycles
- ▶ Optimized for fast and gentle one-step purification at 4°C
- ▶ High specificity leads to minimal contamination of host cell proteins

### Economic

- High binding capacity and high affinity
- Effective elution with Spot peptide or at acidic conditions
- > 5 regeneration cycles

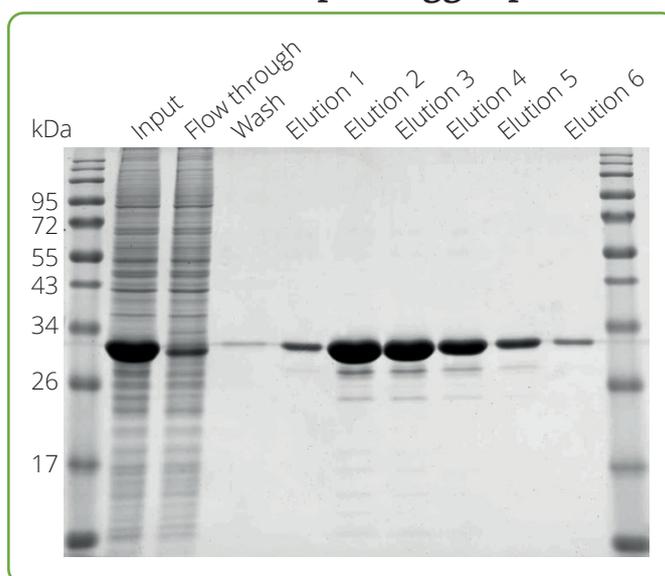
### Versatile

- Engineered for 4°C purification in batch or gravity flow formats
- Broad buffer compatibility
- Suitable for all commonly used expression hosts

### Spot-Tag (PDRVRAVSHWSS)

- Short, flexible, inert Spot-Tag
- N- and C-terminal fusion
- For any kind of proteins

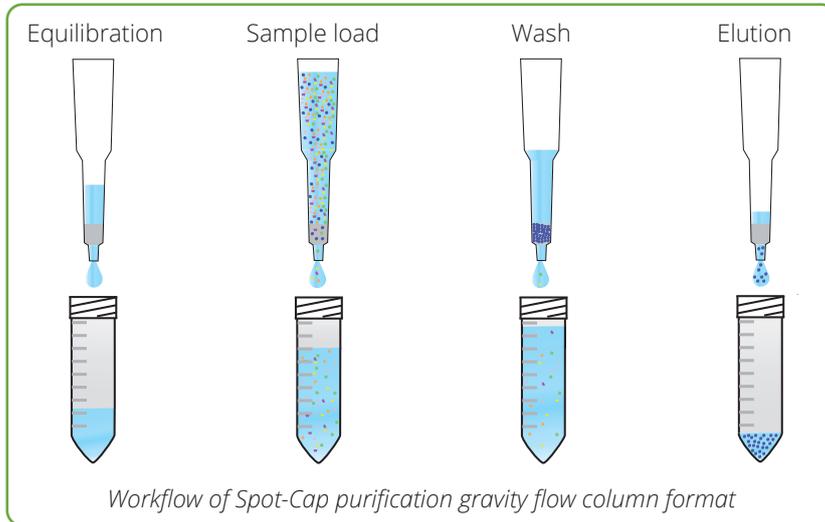
### Purification of Spot-tagged protein



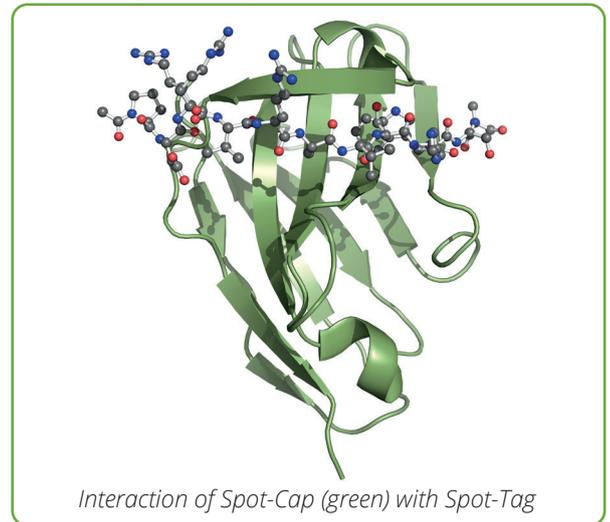
Binding capacity	10 mg protein (30 kDa) / 1 mL settled resin
Elution conditions (at 4°C)	0.1 mM Spot-peptide or 100 mM glycine pH 2.0
Regeneration buffer	100 mM glycine pH 2.0
Regeneration	> 5 cycles
pH range for purification	pH 4 - 11
Chemical stability	1 M NaCl, 2 M Urea, 10 mM DTT, 10 mM $\beta$ -mercaptoethanol, 10 mM TCEP, 2% DDM, Nonidet™ P40 Substitute, 2% Triton™ X-100

High purity and high yield protein purification with constant results over > 5 regeneration cycles

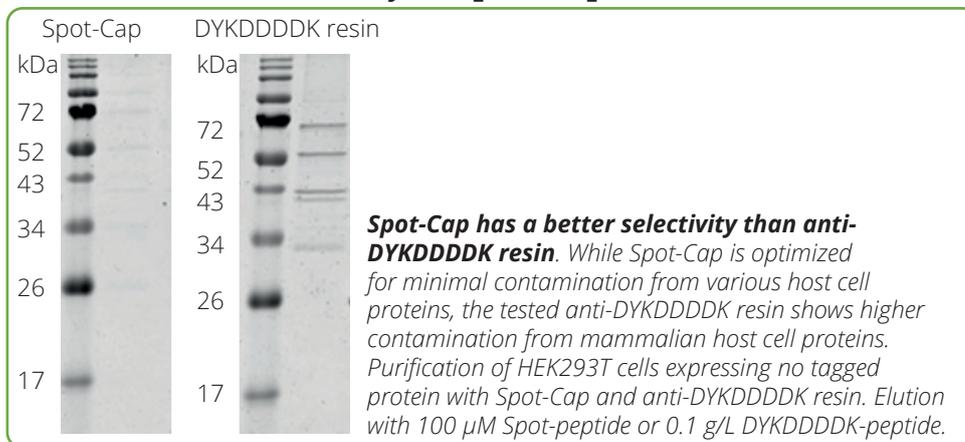
## Workflow



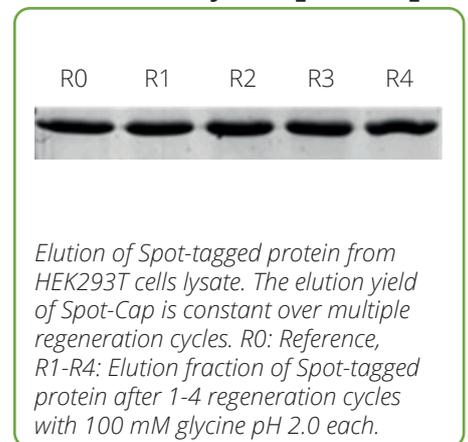
## Spot-Cap binding mode



## Selectivity of Spot-Cap



## Reusability of Spot-Cap



## Order information

Product name	Size	Product code
Spot-Cap™	2 mL slurry	eca-2
Spot-Peptide	1 mg	ep-1
Spot-Cap™ and Peptide	0.1 mL Spot-Cap + 1 mg Spot-Peptide	eca-ep
Spot-Tag vectors for expression in <i>E. coli</i> or <i>S. cerevisiae</i>		ev

## Disclaimer

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