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Data Sheet

Strep-Tactin® Superflow® high capacity

Cat. No.: 2-1208-002, 2-1208-010, 2-1208-025, 2-1208-100, 2-1208-500

Lot No.: 1208-

Last date of revision
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Description	High capacity Strep-Tactin resin for the purification of Strep-tag II and One-STrEP-tag fusion proteins. *Strep*-Tactin is a streptavidin variant with optimized binding properties for *Strep*-tag fusion proteins*. **Important note:** To allow an efficient *Strep*-tag/*Strep*-Tactin binding we strongly recommend using column purification instead of batch applications for proteins fused to *Strep*-tag II. It is crucial that protein binding takes place on the column. Even a pre-incubation of resin and lysate prior to filling the resin into a column will lead to decreased protein yields. Batch purification should be performed using *One-STrEP*-tag only. Further, prolonged batch incubations increase the risk of proteolytic degradation of the target protein including cleavage of the tag.
Support	Superflow 6 (6% agarose, crosslinked)
Form	50 % suspension in 100 mM Tris/HCl pH 8.0, 1 mM EDTA, 150 mM NaCl
Biotin binding activity	> 900 nmol/ml resin
Elution	Buffer E (elution buffer): 100 mM Tris·Cl, 150 mM NaCl, 1 mM EDTA, 2.5 mM desthiobiotin, pH 8. It may be advantageous to use 5-10 mM desthiobiotin to get the target protein eluted at higher concentration.
Regeneration	HABA cannot be efficiently removed from Strep-Tactin Superflow High Capacity by using Buffer W. We recommend using Buffer W at pH 10.5 (or alternatively 100 mM Tris base) for efficient removal of HABA.
Stability	6 months after shipping
Storage	4 °C
Shipment	Room temperature

* Voss, S. & Skerra, A. (1997) Mutagenesis of a flexible loop in streptavidin leads to higher affinity for the *Strep*-tag II peptide and improved performance in recombinant protein purification. *Protein Eng.* 10, 975-982.

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