

## Data Sheet

### Gravity flow

### Strep-Tactin®XT Superflow®

### High Capacity column

Cat. No.: 2-4031-001, 2-4031-005, 2-4032-001,  
2-4033-001, 2-4034-001

Lot No.: 4031-

Version: 3.0  
Revision Date: 14.07.2020

<b>Description</b>	Ready-to-use column with Strep-Tactin®XT high capacity resin for the purification of Strep-tag®II and Twin-Strep-tag® fusion proteins. Strep-Tactin®XT is a streptavidin variant with optimized binding properties for Strep-tag® fusion proteins*.
<b>Support</b>	Superflow 6 (6 % agarose, crosslinked)
<b>Form</b>	Pre-packed in buffer, pH 8.0: 100 mM Tris-HCl pH 8.0, 1 mM EDTA, 150 mM NaCl, 0.02 % sodium azide.
<b>Dynamic Binding Capacity</b>	15 mg protein/ml resin. Dynamic binding capacity was determined with 1mg/ml mCherry-Twin-Strep-tag® (30 kDa) at a flow rate of 0.5 ml/min. Please note: Binding capacity is protein dependent.
<b>Stability</b>	6 months after shipping
<b>Storage</b>	recommended: 2- 8 °C
<b>Shipping</b>	room temperature
<b>Hazards</b>	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.

<b>Elution</b>	Biotin Elution Buffer BXT (Buffer BXT): 100 mM Tris-HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, 50 mM Biotin
<b>Regeneration</b>	It is recommended to regenerate the column by using Strep-Tactin®XT Regeneration Buffer (3 M MgCl <sub>2</sub> , Buffer XT-R Cat. No. 2-1045-250). Alternatively, freshly prepared 10 mM NaOH can be used.

\* 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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