

Protein Purification

Affinity purification - Group specific, biotin/immunobiotin



Strep-tag® starter kits



NEW

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- Include all essential reagents required for the first 8 applications of expression in *E. coli*, purification and detection of *Strep-tag*® proteins

Strep-tag® starter kit, IB21101000

Contains one ready-to-use column with *Strep-Tactin*® Sepharose®.

Strep-tag® starter kit 3C, IB21102001

Includes 3 different columns with *Strep-Tactin*® immobilised to Sepharose®, MacroPrep® and Superflow®, respectively, allowing the evaluation of the optimal resin for your particular protein of interest.

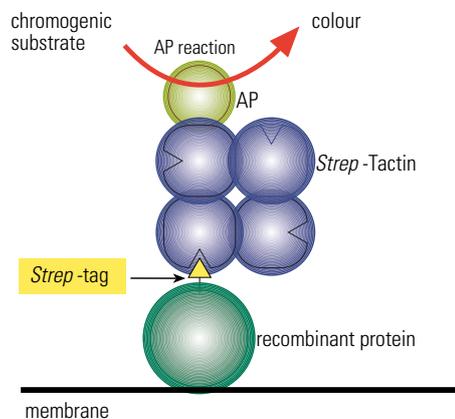
Strep-tag® starter kit cartridge H-PR Superflow®, IB21115000 (with adapters), IB21116000 (without adapters)

For protein purification under low pressure allowing fast and convenient purification of your *Strep-tag*® protein. Equipped with a *Strep-Tactin*® Superflow® cartridge H-PR (1mL) with 10-32 connection, which can be directly connected to HPLC and KTATM; adapters for connection to other devices or to connect in series to enlarge capacity are included in with the adapters kit.

In addition to the purification columns, all *Strep-tag*® starter kits include:

- Control plasmid with 15kD protein insert
- Anhydrotetracycline for induction of expression
- Fractionation buffer for the preparation of a periplasmic extract
- Wash buffer for column chromatography or for the preparation of a cytoplasmic extract
- Elution buffer for displacing the *Strep-tag*® protein from the column
- Column regeneration buffer (with HABA)
- *Strep-Tactin*® horse radish peroxidase (HRP) conjugate for Western blot detection
- Comprehensive manual

Catalogue No	Alt. No	Description
IB21101000	2-1101-000	<i>Strep-tag</i> ® starter kit
IB21102001	2-1102-001	<i>Strep-tag</i> ® starter kit 3C
IB21115000	2-1115-000	<i>Strep-tag</i> ® starter kit cartridge H-PR Superflow® (with adapters)
IB21116000	2-1116-000	<i>Strep-tag</i> ® starter kit cartridge H-PR Superflow® (without adapters)



Principle of chromogenic detection of *Strep-tag*® II protein with *Strep-Tactin*® AP conjugate in Western blot.

Strep-tag® protein detection system



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The *Strep-tag*® protein detection system provides a means for a broad variety of assays, including:

- Colony blot, dot blot, Western blot and ELISA procedures
- Screening for positive expression clones
- Monitoring expression levels and stability of *Strep-tag*® proteins
- Immunocytochemistry and immunohistochemistry
- Protein localisation and targeting studies

Two different detection systems are available to detect *Strep-tag*® II as well as One-STREP-tag at the N-terminus, C-terminus or internally:

- a) Labelled or unlabelled monoclonal antibodies
- b) Labelled *Strep-Tactin*® proteins

Technical Specification - Specific

Detection system	Monoclonal antibodies		<i>Strep-Tactin</i> proteins	
	<i>Strep</i> MAB-Classical	<i>Strep</i> MAB-Classical HRP conjugate	<i>Strep-Tactin</i> HRP conjugate	<i>Strep-Tactin</i> AP conjugate
Description	<i>Strep-tag</i> ® II- and One-STREP-tag-specific monoclonal antibody, unlabelled	<i>Strep-tag</i> ® II and One-STREP-tag-specific monoclonal antibody, labelled with horse radish peroxidase	<i>Strep-Tactin</i> ® protein, labelled with horse radish peroxidase	<i>Strep-Tactin</i> ® protein, labelled with alkaline phosphatase
Features	Highly selective Low background	Highly selective Low background	Sensitive Fast detection protocols	Very sensitive Fast detection protocols
Secondary antibody required, IB21591001	Yes, secondary anti-mouse IgG, HRP-conjugated, required	No, direct detection via HRP	No, direct detection via HRP	No, direct detection via AP
Western blot, chromogenic detection	Suited, but not recommended	Recommended	Recommended	Recommended
Western blot, chemiluminescent detection (ECL)	Not recommended	Recommended	Recommended	Not determined
Immunofluorescence, ELISA, FACS	Recommended	For ELISA only	For ELISA only	For ELISA only
Detects also biotinylated proteins	-	-	+	+