

TALON® Superflow Metal Affinity Resin

Catalog Nos.	Amount	Lot Number
635506	25 ml	Specified on product label.
635507	100 ml	Specified on product label.

Description

Cobalt-based immobilized metal affinity chromatography (IMAC) resin for the purification of recombinant polyhistidine-tagged biomolecules under native or denaturing conditions. This resin permits one-step purification of polyhistidine-tagged biomolecules under medium flow rates and pressures (up to 150 p.s.i.) for production-scale applications.

Package Contents

- TALON Superflow Metal Affinity Resin

Storage Conditions

- Store at 4°C.

Expiration Date

- Specified on product label.

Storage Buffer

- Nonbuffered 20% ethanol

Shipping Conditions

- Room temperature

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- TALON Metal Affinity Resins User Manual
- TALON Metal Affinity Resins Protocol-at-a-Glance

Quality Control Data

Metal loading analysis

Each lot of TALON Superflow Resin is guaranteed to have a divalent metal loading of ≥ 12 $\mu\text{mol/ml}$ of bed volume. The amount of bound metal is determined by atomic spectroscopy.

Functional test

The TALON Superflow Metal Affinity Resin was functionally tested using polyhistidine-tagged GFPuv and the HisTALON™ Buffer Set (Cat. No. 635651). 1 ml of TALON Metal Affinity Resin was saturated with a bacterial polyhistidine-tagged GFPuv lysate in HisTALON Equilibration Buffer (pH 7.4). The resin was then washed four times with 5 ml of HisTALON Equilibration Buffer (pH 7.4). Bound protein was eluted by washing three times with 1 ml of

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Certificate of Analysis

Cat. Nos. 635506 & 635507

TALON Superflow Metal Affinity Resin

HisTALON Elution Buffer (pH 7.2). A sample of each eluant was analyzed by electrophoresis on a 12% SDS polyacrylamide gel to verify the purity of the eluted protein. The polyhistidine-tagged protein is 99% of the eluted material.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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CATALOG NOS.

635506 & 635507

NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

Your use of this product is also subject to compliance with the licensing requirements, listed below if applicable, and described on the product's web page at <http://www.takarabio.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

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