

TALON® Superflow Metal Affinity Resin

Catalog No.	Amount	Lot Number
635670	250 ml	Specified on product label.

Description

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

Package Contents

- 250 ml TALON Superflow Metal Affinity Resin

Storage Conditions

- Store all components at 4°C.

Shelf Life

- 1 year from date of receipt under proper storage conditions.

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 Resin was functionally tested using his-tagged GFPuv and the HisTALON™ Buffer Set (Cat. No. 635651). 1 ml of TALON Superflow Resin was saturated with a bacterial his-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 HisTALON Elution Buffer (pH 7.2). A sample of

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Certificate of Analysis

Cat. No. 635670

TALON Superflow Metal Affinity Resin

each eluant was analyzed by electrophoresis on a 12% SDS polyacrylamide gel to verify the purity of the eluted protein. The his-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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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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