

## HisTALON™ Superflow Cartridges

**Catalog No.**

635650

**Amount**

5 x 1 ml cartridges

**Lot Number**

Specified on product label.

### Description

Prepacked cartridges, each containing 1 ml of TALON® Superflow Resin, an immobilized metal affinity chromatography resin for the purification of recombinant his-tagged proteins. These cartridges are suitable for automated purification using medium-pressure systems such as ÄKTA FPLC, or manual, syringe-based purification, under native or denaturing conditions.

### Package Contents

- 5 HisTALON Superflow Cartridges (1 ml each)
- 5 Top Caps
- 5 Snap-off End Caps

### 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](http://takarabio.com/manuals)

The following documents apply to this product:

- HisTALON Superflow Cartridges User Manual

### Quality Control Data

#### Metal loading analysis

Each lot of HisTALON Superflow Cartridges is guaranteed to have a cobalt metal loading of  $\geq 12$   $\mu\text{mol/ml}$  of bed volume. The amount of bound cobalt is determined by atomic spectroscopy.

#### Functional test

The TALON Resin in the HisTALON Superflow Cartridges was functionally tested using his-tagged GFPuv and the HisTALON Buffer Set (Takara Bio, Cat. No. 635651). 1 ml of TALON Superflow Metal Affinity Resin was saturated with a bacterial his-tagged GFPuv lysate in HisTALON Equilibration Buffer (pH 7.4). The resin was then washed four

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**Takara Bio USA, Inc.**

2560 Orchard Parkway, San Jose, CA 95131, USA

U.S. Technical Support: [technical\\_support@takarabio.com](mailto:technical_support@takarabio.com)United States/Canada  
800.662.2566  
(042623)Asia Pacific  
+1.650.919.7300Europe  
+33.(0)1.3904.6880Japan  
+81.(0)77.565.6999

# Certificate of Analysis

Cat. No. 635650

HisTALON Superflow Cartridges

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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 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.

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2560 Orchard Parkway, San Jose, CA 95131, USA

U.S. Technical Support: [technical\\_support@takarabio.com](mailto:technical_support@takarabio.com)

#### United States/Canada

800.662.2566

#### Asia Pacific

+1.650.919.7300

#### Europe

+33.(0)1.3904.6880

#### Japan

+81.(0)77.565.6999

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