

Certificate of Analysis

HisTALON™ Gravity Columns

Catalog No. 635655	Amount 5 x 1 ml columns	Lot Number Specified on product label.
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Description

Prepacked gravity columns, each containing 1 ml of TALON® Resin, an immobilized metal affinity chromatography resin for the purification of recombinant his-tagged proteins. These columns are suitable for gravity-flow purification under native or denaturing conditions.

Package Contents

- 5 x HisTALON Gravity Columns (1 ml each)

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:

- HisTALON Gravity Column Purification Kit User Manual
- HisTALON Gravity Column Purification Kit Protocol-At-A-Glance

Quality Control Data

Metal loading analysis:

Each lot of HisTALON Gravity Columns is guaranteed to have a cobalt divalent metal loading of ≥ 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 Gravity Columns was functionally tested using his-tagged GFPuv and the HisTALON Buffer Set (Takara Bio, Cat. No. 635651). 1 ml of TALON 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 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.

Takara Bio USA, Inc.

2560 Orchard Parkway, San Jose, CA 95131, USA

U.S. Technical Support: technical_support@takarabio.com

United States/Canada
800.662.2566
(091823)

Asia Pacific
+1.650.919.7300

Europe
+33.(0)1.3904.6880

Japan
+81.(0)77.565.6999

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CATALOG NO.

635655

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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United States/Canada

800.662.2566

Asia Pacific

+1.650.919.7300

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