

Certificate of Analysis

TALON® Magnetic Beads

Catalog Nos.	Amount	Lot Number
635636	2 x 1 ml	Specified on product label.
635637	6 x 1 ml	Specified on product label.

Description

TALON Magnetic Beads provide the selective chemistry of TALON immobilized metal affinity chromatography (IMAC) resin in a magnetic bead format. The beads are designed for the microscale purification of high and low molecular weight recombinant polyhistidine-tagged proteins under native or denaturing conditions, when placed on a magnetic separator.

Package Contents

<u>635636</u>	<u>635637</u>	
2 x 1 ml	6 x 1 ml	TALON Magnetic Beads

Storage Conditions

- Store at 4°C.

Expiration Date

- Specified on product label.

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 Magnetic Beads Protocol-At-A-Glance

Quality Control Data

Metal loading analysis

Each lot of TALON Magnetic Beads is guaranteed to have a divalent metal loading capacity of >20 µmol/g of beads. The amount of bound metal is determined by atomic spectroscopy.

Functional test

TALON Magnetic Beads were functionally tested using polyhistidine-tagged AcGFP and the TALON Magnetic Beads Buffer Kit. A 200 µl aliquot of a 5% suspension of TALON Magnetic Beads was saturated with a bacterial polyhistidine-tagged AcGFP lysate in xTractor™ Buffer (pH 7.2). The beads were washed three times with 0.5 ml of equilibration buffer (1X Equilibration/Wash Buffer, pH 7.0), and then once with 0.5 ml of wash buffer (1X Equilibration/Wash Buffer, pH 7.0, containing 10 mM imidazole). Bound protein was eluted with elution buffer (one part of 4X Elution Buffer diluted with three parts of 1X Equilibration/Wash Buffer, pH 7.0). A sample of eluant was analyzed by electrophoresis to verify the purity of the eluted protein.

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

Takara Bio USA, Inc.

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TALON® Magnetic Beads

CATALOG NOS.

635636 & 635637

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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