

rDsRed-Express Protein

Catalog No.

632437

Amount

100 µg

Lot Number

Specified on product label.

Description

Affinity purified recombinant *Discosoma* sp. red fluorescent protein (rDsRed-Express). rDsRed-Express can be used as a standard for protein gels, western blots, fluorometry, and FACS. It can also be used as a control for DsRed-Express expression studies and for microinjection into cells and tissues. At its N-terminus, rDsRed-Express contains a 6xHN epitope tag used for purification of the protein by metal ion affinity chromatography (IMAC) with our TALON® Resin. An enterokinase (EK) site located between the tag and DsRed-Express makes it possible to remove the 6xHN polypeptide if desired. The 6xHN tag does not interfere with the protein's characteristic spectral properties.

Package Contents

- 1 tube rDsRed-Express Protein

Storage Conditions

- Store at -20°C.

Shelf Life

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

Storage Buffer

- PBS, 10 mM EDTA, 10% glycerol

Concentration

- 1.0 mg/ml

Shipping Conditions

- Dry ice

Quality Control Data

The purity of the recombinant protein was analyzed by SDS-polyacrylamide gel electrophoresis with Coomassie blue staining. A major band with an apparent molecular mass of between 30–35 kDa was observed. (Though DsRed-Express has a calculated mass of ~25.7 kDa, it usually runs above 29 kDa on SDS-polyacrylamide gels.) A minor band representing a possible cleavage product with an apparent molecular mass of ~22 kDa may also be observed under some conditions.

In addition, the purity and functionality were checked by analyzing the absorption spectrum between 240–740 nm. The ratio between the absorbances at 557 nm and 280 nm was >0.5.

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

Takara Bio USA, Inc.

1290 Terra Bella Avenue, Mountain View, CA 94043, USA

U.S. Technical Support: technical_support@takarabio.comUnited States/Canada
800.662.2566
(041321)Asia Pacific
+1.650.919.7300Europe
+33.(0)1.3904.6880Japan
+81.(0)77.565.6999

rDsRed-Express Protein

CATALOG NO.

632437

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.

TRADEMARKS:

©2025 Takara Bio Inc. All Rights Reserved.

All trademarks are the property of Takara Bio Inc. or its affiliate(s) in the U.S. and/or other countries or their respective owners. Certain trademarks may not be registered in all jurisdictions.

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

Asia Pacific

+1.650.919.7300

Europe

+33.(0)1.3904.6880

Japan

+81.(0)77.565.6999

6/5/2025