

## rDsRed2 Protein

**Catalog No.**  
632436

**Amount**  
100 µg

**Lot Number**  
Specified on product label.

### Description

Affinity purified recombinant *Discosoma* sp. red fluorescent protein (rDsRed2). rDsRed2 can be used as a standard for protein gels, western blots, fluorometry, and FACS. It can also be used as a control for DsRed2 expression studies and for microinjection into cells and tissues. At its N-terminus, rDsRed2 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 rDsRed2 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 rDsRed2 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 rDsRed2 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 563 nm and 280 nm was >1.1.

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

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### CATALOG NO.

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### STATEMENT 24

DsRed2, DsRedExpress, DsRedExpress2, E2-Crimson, HcRed and pTimer are covered by one or more of the following U.S. Patent Nos. 7,166,444; 7,150,979; 7,157,565; 7,183,399; 7,858,844; 8,093,450; 8,461,769 and non-U.S. international equivalents in some countries.

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