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PRODUCT: rDsRed-Monomer Protein

CATALOG No. 632503

AMOUNT: 100 µg

LOT NUMBER

Specified on product label.

STORAGE BUFFER

PBS, 10 mM EDTA, 10% glycerol

STORAGE CONDITIONS

Store at -20°C.

SHELF LIFE

1 year from date of receipt under proper storage conditions.

SHIPPING CONDITIONS

Dry ice (-70°C)

FOR RESEARCH USE ONLY

DESCRIPTION

Affinity purified recombinant *Discosoma* sp. red fluorescent protein (rDsRed-Monomer) can be used as a standard for protein gels, Western blots, and fluorometry. It can also be used as a control for expression studies and for microinjection into cells and tissues. At its N-terminus, rDsRed-Monomer contains a 6xHN epitope tag, used for purification of the protein by immobilized metal affinity chromatography (IMAC) with our TALON™ Resin. An enterokinase (EK) site, located between the tag and rDsRed-Monomer, 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-Monomer Protein (1.0 mg/ml)

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 between 30–35 kDa was observed. (Though rDsRed-Monomer has a calculated mass of ~25.7 kDa, it usually runs above 29 kDa on SDS-polyacrylamide gels.)

In addition, the purity and functionality were checked by analyzing the absorption spectrum between 240 nm and 580 nm. The ratio between the absorbances at 556 nm and 280 nm was >0.1.

REFERENCE

1. BD Living Colors™ DsRed-Monomer Fluorescent Protein (January 2005) *Clontechiques* **XX**(1):2–4.

APPROVED BY: _____



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