

## Red Fluorescent Protein (dsRed)

Cat. No. dsRed-4    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | The recombinant RFP (dsRed) was expressed and purified from transformed E. coli using a method that ensures high purity and maximal RFP fluorescence. Endotoxin was removed, so the protein is suitable for in vivo injection or cell culture applications. The protein is a 27.6 kDa monomers containing a N-terminus 6x His-Tag with Ex./Em. = 557/585 nm, extinction coefficient ( $\epsilon$ 280 nm = 34380 M <sup>-1</sup> Cm <sup>-1</sup> ). |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | Freeze Dried                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 27.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Endotoxin</b>        | <0.1>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | Purity by SDS-PAGE: ≥97%Purity by HPLC: ≥97%                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Usage</b>            | For Research Use Only! Not to be used in humans.                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution</b>   | Reconstitute with dH <sub>2</sub> O to 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Shipping</b>         | Gel pack                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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