

## Recombinant Red Fluorescent Protein (RFP)

**CATALOG #:** 4997-100 100 µg  
4997-1000 1 mg

**LOT #:** \_\_\_\_\_

**SOURCE:** *E. coli*

**PURITY:** ≥97% by SDS-PAGE and HPLC

**ENDOTOXIN:** ≤0.1 ng/µg

**FORM:** Freeze Dried

**Reconstitution:** Reconstitute with dH<sub>2</sub>O to 1 mg/ml

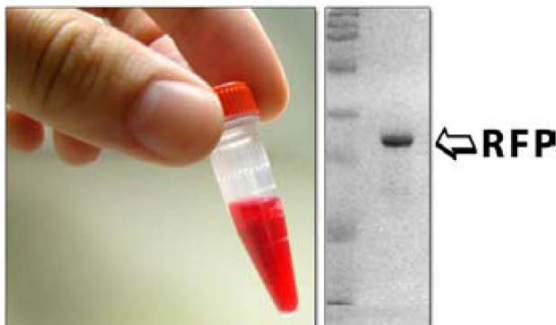
**STORAGE:** -80°C for long-term storage

### DESCRIPTION:

The recombinant RFP 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 34 kDa monomers containing a N-terminus 6x His-Tag with Ex./Em. = 557/585 nm, extinction coefficient 34380.

### APPLICATIONS:

The protein is suitable as control reagent for RFP expression studies or as labeling reagent. Applications include: Use as standards for SDS-PAGE, Western blot analysis, label other proteins, calibration of fluorometers, flow cytometers, and fluorescence microscope, as well as microinjection of RFP into cells and tissues, etc. The recombinant RFP is ideal for fusion tag applications and is perfect for dual labeling with EGFP (Cat.# 4999-100).



**FOR RESEARCH USE ONLY! Not to be used in human subjects!**

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