

Recombinant Red Fluorescent Protein (dsRed)

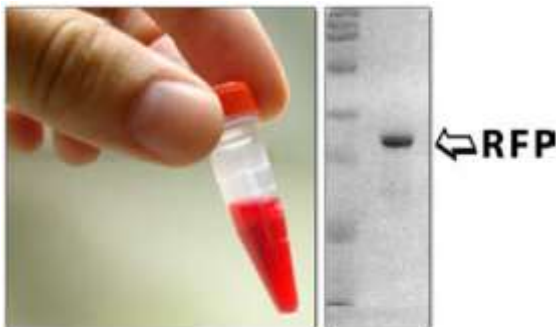
CATALOG #:	4997-100	100 µg
	4997-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	≥97% by SDS-PAGE	
ENDOTOXIN:	≤0.1 ng/µg	
FORM:	Freeze dried	
Reconstitution:	Reconstitute with dH2O to 1 mg/ml	
STORAGE:	-80°C for long-term storage	

DESCRIPTION:

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 ($\epsilon_{280\text{ nm}} = 34380 \text{ M}^{-1} \text{ Cm}^{-1}$).

APPLICATIONS:

The protein is suitable as control reagent for dsRed 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 dsRed into cells and tissues, etc. The recombinant dsRed 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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