

## Fluorescent Protein Set

<b>CATALOG #:</b>	K816-6-100
<b>AMOUNT:</b>	6 x 100 µg
<b>LOT #:</b>	_____
<b>SOURCE:</b>	<i>E. coli</i>
<b>PURITY:</b>	≥97% by SDS-PAGE and HPLC
<b>ENDOTOXIN:</b>	≤0.1 ng/ µg
<b>FORM:</b>	Freeze Dried
<b>RECONSTITUTION:</b>	Reconstitute with dH2O to 1 mg/ml
<b>STORAGE:</b>	-80°C for long-term storage

### CONTENTS:

Protein	Color	#aa	Ex/Em (nm)	MW (kDa)	His-tag	$\epsilon$ ( $M^{-1} cm^{-1}$ ) at 280 nm	Part#
EGFP	Blue	293	488/507	32.7	N/C-term	21890	4999-100
BFP	Orange	259	308-383/440-447	29	N-term	19035	4994-100
CFP	Purple	284	458/480	31.3	N-term	26000	4996-100
dsRed	Red	245	557/585	27.6	N-term	34380	4997-100
mCherry	Red	256	587/610	28.8	N-term	34380	4993-100
YFP	Yellow	238	525/538	26.4	None	27390	4998-100

### PRODUCT DESCRIPTION:

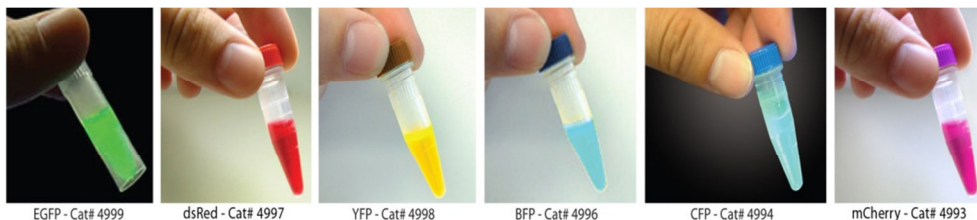
100 µg of each of the six fluorescent proteins including the Enhanced Green fluorescent protein (EGFP), dsRed and mCherry Red fluorescent proteins, Blue fluorescent protein (BFP), Yellow fluorescent protein (YFP) and Cyan fluorescent protein (CFP). Recombinant fluorescent proteins were expressed and purified from transformed *E. coli* using a method that ensures highest purity and maximal fluorescence intensity. Fluorescent proteins can be used in a variety of applications. Fluorescent proteins antibodies and set are also available separately.

### APPLICATIONS:

These proteins are suitable for a variety of applications including as control reagents for fluorescent protein expression studies, as standards for SDS-PAGE and Western blot analysis, as well as use for calibration of fluorometers and flow cytometers, fluorescence microscopy, and microinjection of fluorescent proteins into cells and tissues, etc. The recombinant fluorescent proteins can also be conjugated to other proteins. The presence of His-tag on most of these proteins allows their detection by both His-tag antibody and specific fluorescent protein antibodies on Western Blot analysis

### RELATED PRODUCTS:

- Fluorescent Proteins
- Fluorescent Protein Conjugates (Biotin & FITC)
- Fluorescent Protein Antibodies
- His-tag Antibody
- GFP Quantification Kit
- pVision-GFP-C Vector
- pVision-GFP-N Vector
- Apoptosis Assay
- Cell Proliferation & Cytotoxicity Assays
- Fractionation Kits
- Metabolism Assays
- Cell Proliferation & Senescence
- Cell Damage & Oxidative Stress Assays
- Signal Transduction Kits & Reagents
- Adipocyte & Lipid Transfer
- Molecular Biology Kits & Reagents
- Reporter Assays
- Growth Factors and Cytokines
- Polyclonal and Monoclonal Antibodies



EGFP - Cat# 4999

dsRed - Cat# 4997

YFP - Cat# 4998

BFP - Cat# 4996

CFP - Cat# 4994

mCherry - Cat# 4993