

## Recombinant Yellow Fluorescent Protein (YFP)

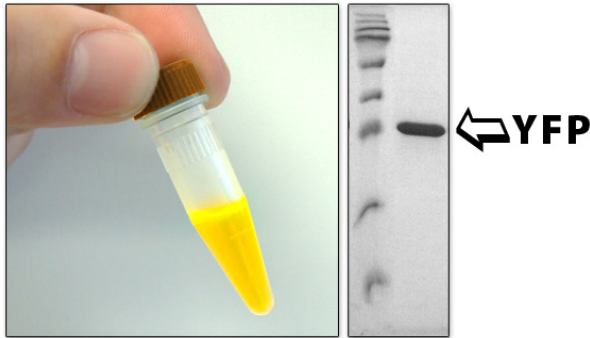
<b>CATALOG #:</b>	4998-100	100 µg
	4998-1000	1 mg
<b>LOT #:</b>	_____	
<b>SOURCE:</b>	<i>E. coli</i>	
<b>PURITY:</b>	≥97% by SDS-PAGE and HPLC	
<b>ENDOTOXIN:</b>	≤0.1 ng/µg	
<b>FORM:</b>	Freeze Dried	
<b>Reconstitution:</b>	Reconstitute with dH2O to 1 mg/ml	
<b>STORAGE:</b>	-80°C for long-term storage	

**DESCRIPTION:**

The recombinant YFP (Yellow Fluorescent Protein) is expressed and purified from transformed *E. coli* using a method that ensures high purity and maximal YFP fluorescence. Endotoxin has been removed, so the protein is suitable for in vivo injection or cell culture applications. The protein is a 26.4 kDa monomer with 238 amino acids, Ex./Em. = 525/538 nm, extinction coefficient 27390.

**APPLICATIONS:**

The protein is suitable as control reagent for YFP expression studies or as labeling reagent. Applications include: Use as standards for SDS-PAGE, Western blot analysis of YFP transfected cells, label other proteins, calibration of fluorometers and flow cytometers, fluorescence microscope, or microinjection of YFP into cells and tissues, etc. The recombinant YFP is ideal for fusion tag applications and is perfect for triple labeling with EGFP (Cat.# 4999-100) and RFP (Cat.# 4997-100).



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

**ELATED PRODUCTS:**

- Apoptosis Detection Kits & Reagents
  - Annexin V Kits & Bulk Reagents
  - Caspase Assay Kits & Reagents
  - Mitochondrial Apoptosis Kits & Reagents
  - Nuclear Apoptosis Kits & Reagents
- Cell Fractionation System
  - Mitochondria/Cytosol Fractionation Kit
  - Nuclear/Cytosol Fractionation Kit
  - Membrane Protein Extraction Kit
  - Cytosol/Particulate Rapid Separation Kit
  - Mammalian Cell Extraction Kit
  - FractionPREP Fractionation System
- Cell Proliferation & Senescence
  - Quick Cell Proliferation Assay Kit
  - Senescence Detection Kit
  - High Throughput Apoptosis/Cell Viability Assay Kits
  - LDH-Cytotoxicity Assay Kit
  - Bioluminescence Cytotoxicity Assay Kit
  - Live/Dead Cell Staining Kit
- Cell Damage & Repair
  - HDAC & HAT Fluorometric & Colorimetric Assays
  - DNA Damage Quantification Kit
  - Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits
- Signal Transduction
  - cAMP & cGMP Assay Kits
  - Akt & JNK Activity Assay Kits
  - Beta-Secretase Activity Assay Kit
- Adipocyte & Lipid Transfer
  - Recombinant Adiponectin, Resistin, Leptin, Visfatin
  - CETP & PLTP Activity Assay & Drug Discovery Kits
  - Cholesterol & HDL/LDL Quantification Kits
  - Triglyceride, Glycerol, and Choline Assay Kits
- Metabolism Assays
  - Ascorbic Acid, Lactate, Pyruvate, Uric Acid, Ethanol Assay Kits
  - Glucose, Sucrose, Galactose, Lactose, Maltose Assay Kits
  - NAD/NADH, NADP/NADPH, ADP/ATP Assay Kits
- Molecular Biology & Reporter Assays
  - siRNA Vectors
  - Cloning Insert Quick Screening Kit
  - Mitochondrial & Genomic DNA Isolation Kits
  - 5 Minutes DNA Ligation Kit
  - 20 Minutes Gel Staining/Destaining Kit
- Growth Factors and Cytokines
- Polyclonal and Monoclonal Antibodies