

Recombinant Yellow Fluorescent Protein (YFP)

CATALOG #:	4998-100	100 µg
	4998-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	≥97% by SDS-PAGE and HPLC	
ENDOTOXIN:	≤0.1 ng/µg	
FORM:	Freeze dried	
Reconstitution:	Reconstitute with dH ₂ O to 1 mg/ml	
STORAGE:	-80°C for long-term storage	

DESCRIPTION:

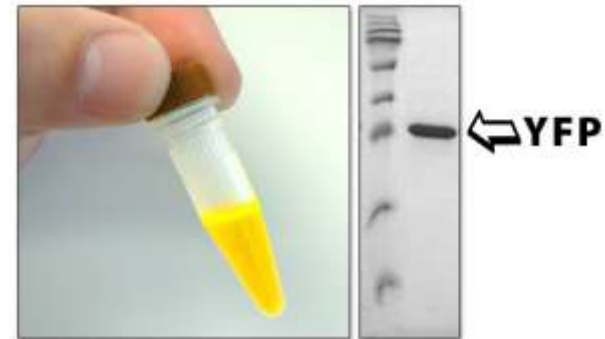
The recombinant YFP (Yellow Fluorescent Protein) is expressed and purified from transformed *E. coli* using a method that ensures high purity and maximal YFP fluorescence. Endotoxin has been removed, so the protein is suitable for in vivo injection or cell culture applications. The protein is a 26.4 kDa monomer with 238 amino acids, Ex./Em. = 525/538 nm, extinction coefficient 27765. (at 280 nm).

YFP AMINO ACID SEQUENCE:

MRGSGSSGALLFHGKIPYVVEGMEGNDGHTFSIRGKGYGDASVGKVDQAQFICTTGDVVPWP
STLVTTLLTYGAQCFAKYGPELKDIFYKSCMPDGYVQERTITFEGDGNFKTRAEVTFENGSSVYN
RVKLNQGGFKKDGHVLGKLNLEFNFTPHCLYIWGDQANHGLKSAFKICHEITGSKGDFIVADH
TQMNTPIGGGPVHVPEYHHMSYHVKLSKDVTDHRDNMSLKETVRAVDCRKYL

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).



YFP protein and SDS-PAGE.

RELATED 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

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

Cell Proliferation & Senescence

Cell Damage & Repair

Signal Transduction

Adipocyte & Lipid Transfer

Molecular Biology & Reporter Assays

Growth Factors and Cytokines

Polyclonal and Monoclonal Antibodies