

Recombinant Yellow Fluorescent Protein (YFP)

CATALOG #: 4998-100 100 µg
4998-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: ≥97% by SDS-PAGE and HPLC

ENDOTOXIN: ≤0.1 ng/µg

FORM: Freeze dried

Reconstitution: Reconstitute with dH2O to 1 mg/ml

STORAGE: -80°C for long-term storage

DESCRIPTION:

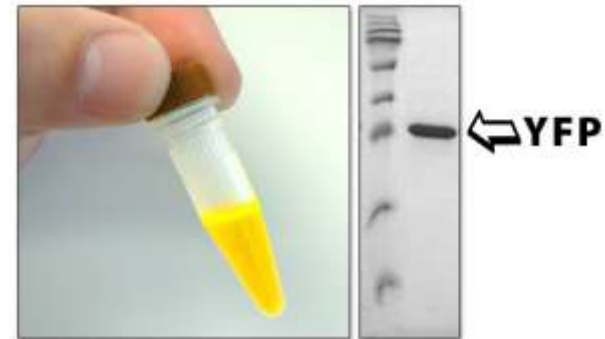
The recombinant YFP (Yellow Fluorescent Protein) is expressed and purified from transformed *E. coli* using a method that ensures high purity and maximal YFP fluorescence. Endotoxin has been removed, so the protein is suitable for in vivo injection or cell culture applications. The protein is a 26.4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

YFP AMINO ACID SEQUENCE:

MRGSGSSGALLFHGKIPYVVEGMEGNDGHTFSIRGKGYGDASVGKVDQAQFICTTGDVVPVW
STLVTTLTLYGAQCFAKYGPELKDFYKSCMPDGYVQERTITFECDGNFKTRAEVTFENGSSVYN
RVKLNQGQFKKDGHVGLGNLEFNFTPHCLYIWGDQANHGLKSAFKICHEITGSKGDFIVADH
TQMNTPIGGGPPVHVPEYHHMSYHVKLSKDVTDRDNMSLKETVRAVDCRKYTL

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

FOR RESEARCH USE ONLY! Not to be used on humans.