Recombinant Yellow Fluorescent Protein

Cat. No. YFP-01 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Source	E.coli
Description	The protein is a 26.4 kDa monomer with 238 amino acids, Ex./Em. = 525/538 nm, extinction coefficient 27390
Form	Freeze Dried
Molecular Mass	26.4 KDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMRGSGSSGALLFHGKIPYVVEMEGNVDGHTFSIRG KGYGDASVGKVDAQFICTTGDVPVPWSTLVTTLTYGAQCFAKYGPELKD FYKSCM PDGYVQERTITEGDGNFKTRAEVTFENGSVYNRVKLNGQGFKKDGHVLGKNLEFNF TPHCLYIWGDQANHGLKSAFKICHEITGSKGDFIVADHTQMN TPIGGGPVHVPEYHH MSYHVKLSKDVTDHRDNMSLKETVRAVDCRKTYL
Endotoxin	Less than 0.1 ng/μg
Purity	Greater than 97% by SDS-PAGE and HPLC
Applications	The protein is suitable as control reagent for YFP expression studies or as labeling

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	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 and RFP.
Storage	-80 °C for long-term storage
Reconstitution	Reconstitute with dH?O to 1 mg/ml

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