Recombinant Yellow Fluorescent Protein

Cat. No. YFP-10 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant YFP is expressed and purified from transformed?E. coli?using a method that ensures high purity and maximal YFP fluorescence.
Source	E.coli
Description	Endotoxin has been removed, so the protein is suitable for in vivo injection or cell culture applications. The protein is a monomer with an N-terminus His-Tag with Ex./Em. = 525/538 nm, extinction coefficient 27390 (at 280 nm).
Form	Lyophilized
Molecular Mass	26.4 kDa
AA Sequence	MRGSGSSGAL LFHGKIPYVV EMEGNVDGHT FSIRGKGYGD ASVGKVDAQF ICTTGDVPVP WSTLVTTLTY GAQCFAKYGP ELKDFYKSCM PDGYVQERTI TFEGDGNFKT RAEVTFENGS VYNRVKLNGQ GFKKDGHVLG KNLEFNFTPH CLYIWGDQAN HGLKSAFKIC HEITGSKGDF IVADHTQMNT PIGGGPVHVP EYHHMSYHVK LSKDVTDHRD NMSLKETVRA VDCRKTYL?
Endotoxin	< 1.0 eu per 1 μg of protein (determined by lal
Purity	Greater than 97% by SDS-PAGE and HPLC
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

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	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	Store at -80°C. Avoid repeated freeze-thaw cycles.
Reconstitution	Add sterile distilled water to the vial to fully solubilize the protein to a concentration of 1.0 mg/mL

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