

## Recombinant Yellow Fluorescent Protein

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

### SPECIFICATION

<b>Product Overview</b>	The recombinant YFP is expressed and purified from transformed <i>E. coli</i> using a method that ensures high purity and maximal YFP fluorescence.
<b>Source</b>	E.coli
<b>Description</b>	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).
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	26.4 kDa
<b>AA Sequence</b>	MRGSGSSGAL LFHGKIPYVV EMEGNVDGHT FSIRGKGYGD ASVGKVDAQF ICTTGDVPVP WSTLVTTLTLY GAQCFAKYGP ELKDFYKSCM PDGYVQERTI TFEGDGNFKT RAEVTFENG S VYNRVKLNQ GFKKDGHV LG KNLEFNFTPH CLYIWGDQAN HGLKSAFKIC HEITGSKGDF IVADHTQMNT PIGGGPVHVP EYHHMSYHV K LSKDVTDHRD NMSLKETVRA VDCRKTYL?
<b>Endotoxin</b>	< 1.0 eu per 1 µg of protein (determined by lal)
<b>Purity</b>	Greater than 97% by SDS-PAGE and HPLC
<b>Applications</b>	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

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA



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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