

## Recombinant YFP Protein

**Cat. No.** YFP-02    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b> | 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.                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                             |
| <b>Description</b>      | The protein is a 26.4 kDa monomer with 238 amino acids, Ex./Em. = 525/538 nm, extinction coefficient 27390.                                                                                                                                                        |
| <b>Form</b>             | Freeze Dried                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 26.4 kDa                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MRGSGSSGALLFHGKIPYVVEGMEGNVDGHTFSIRGKGYGDASVGKVDAQFICTTGD<br>VPVPWSTLVTTLTLYGAQCFKYGPELKDFYKSCMPDGYVQERTIT FEGDGNFKTRA<br>EVTFENGSVYNRVKLNQGQFKKDGHLVGLKNLEFNFTPHCLYIWGDQANHGLKSAFK<br>ICHEITGSKGDFIVADHTQMNTPIGGGPVHVPEY HHMSYHVKLSKDVTDHRDNMSL<br>KETVRAVDCRKTYL |
| <b>Endotoxin</b>        | <0.1                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | Greater than 97% by SDS-PAGE and HPLC                                                                                                                                                                                                                              |
| <b>Applications</b>     | The protein is suitable for in vivo injection or cell culture applications.                                                                                                                                                                                        |

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|-----------------------|------------------------------------------------|
| <b>Storage</b>        | -20°C                                          |
| <b>Reconstitution</b> | Reconstitute with dH <sub>2</sub> O to 1 mg/ml |