

Recombinant Cyan Fluorescent Protein, His-tagged

Cat. No. CFP-187 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant CFP (Cyan Fluorescent Protein) is expressed and purified from transformed E. coli using a method that ensures high purity and maximal CFP fluorescence. Endotoxin has been removed, so the protein is suitable for in vivo injection or cell culture applications. The protein is a 31.3 kDa monomer with 284 amino acids and an N-terminal His-tag Ex./Em. = 458/480 nm Extinction coefficient: 26000M-1CM-1.
Source	E.coli
Description	Cyan Fluorescent Protein (CFP) is a versatile biological marker for monitoring physiological processes, visualizing protein localization, and detecting transgenic expression in vivo.
Form	Lyophilized protein, Freeze Dried
Molecular Mass	31.3 kDa
AA Sequence	MSGGEELFAGIVPVLIELDGDVHGHKFSVRGEGEGDADYGKLEIKFICTTGKLPVPW PTLVTTTAWGIQCFARYPEHMKMNDFFKSAMPEGYIQERTIHFQDDGKYKTRGEVK FEGDTLVNRVELKGEGFKEDGNILGHKLEYSASDNVYIMPDKANNGLEANFKIRHNI EGGGVQLADHYQTNVPLGDGPVLIPINHYLSCQSAISKDRNEARDHMLLESFSAYC HTHGMDELYRSLRSRAQASNSAVDGTAGPGSTGSR
Endotoxin	< 0.1

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	ng/μg
Purity	≥ 97%
Applications	The protein is suitable as a control reagent for CFP expression studies or as a labeling reagent. Applications include: Use as standards for SDS-PAGE, Western blot analysis of CFP transfected cells, label other proteins, calibration of fluorometers and flow cytometers, fluorescence microscope, or microinjection of CFP into cells and tissues, etc. The recombinant CFP is ideal for fusion tag applications and is perfect for triple labeling with EGFP, RFP or YFP.
Usage	For Research Use Only! Not For Use in Humans.
Storage	Store at -20 centigrade; Store at -80 centigrade for long-term storage.
Reconstitution	Reconstitute with dH ₂ O to 1 mg/mL
Shipping	Gel Pack