

Blue Fluorescent Protein

Cat. No. BFP-2 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant Blue Fluorescent Protein (BFP) is expressed and purified from transformed E. coli using a method that ensures high purity and maximal BFP fluorescence. The protein is a 29 kDa monomer with 259 amino acids, pI: 6.17. Ex.= 308-383 nm; Em.= 440-447 nm. The protein is engineered with 6xHis-tag on the N-terminal, which can be used for detection with anti-His-Tag antibody, or protein removal by using Ni ⁺⁺ beads. BFP protein
Source	E.coli
Form	Freeze Dried
Molecular Mass	29.0 kDa
AA Sequence	MGSSHHHHHSSGLVPRGSHMVSKGEELFTGVVPILVELDGDVNGHKFSVSGEGE GDATYGKLTCLKICTTGKLPVPWPTLVTTLSHGVQCFSRYPDHMKQHDFFKSAMPE GYVQERTIFFKDDGNYKTRAEVKFEGDTLVNRIELKGIDFKEDGNILGHKLEYNFNH NVYIMADKQKNGIKANFKIRHNIEDGSVQLADHYQQNTPIGDGPVLLPDSHYLSTQS ALSKDPNEKRDHMLLEFVTAAGITLGMDELYK
Endotoxin	<0.1>
Purity	Purity by SDS-PAGE: ≥97%Purity by HPLC: ≥97%
Usage	For Research Use Only! Not to be used in humans.

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Reconstitution	Reconstitute with dH ₂ O to 1 mg/ml
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Shipping	Gel pack
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