

Recombinant Enhanced Green Fluorescent Protein, N-His and C-MYC tagged

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

SPECIFICATION

Product Overview	Dual-tagged, recombinant enhanced Green Fluorescent Protein (eGFP, FPbase ID: R9NL8) produced in planta. Contains an N-terminal His-tag, followed by the TEV protease recognition and cleavage site (ENLYFQ G), eGFP peptide and a C-terminal c-myc tag; Excitation: 488 nm Emission: 509 nm Isoelectric Point: 5.925
Source	Plant bioreactor fresh leaf tissue
ProteinLength	275AA
Molecular Mass	31.2 kDa
AA Sequence	MASRSHHHHHHHDNKQENLYFQGVSKGEELFTGVVPILVELDGDVNGHKFSVSGE GEGDATYGKLTCLKICTTGKLPVPWPTLVTTLTYGVQCFSRYPDHMKQHDFFKSAM PEGYVQERTIFFKDDGNYKTRAEVKFEGDTLVNRIELKGIDFKEDGNILGHKLEYNYN SHNVYIMADKQKNGIKVNFKIRHNIEDGSVQLADHYQQNTPIGDGPVLLPDNHYLST QSALSKDPNEKRDHMLLEFVTAAGITLGMDELYKEPALEQKLISEEDL
Purity	>91% pure (by SDS-PAGE, RP-HPLC)
Applications	SDS-PAGE, Western blots, fluorescence microscopy, fluorometry, ELISA.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Storage

Lyophilized protein can be stored in a desiccator at -20 or -80 centigrade for at least 1 year.

After reconstitution, aliquot and store at -20 centigrade.

Avoid freeze-thaw cycles.

Storage Buffer

Lyophilized in sterile conditions from a concentrated, 0.22 μ m-filtered solution in PBS, pH=7.4.

Reconstitution

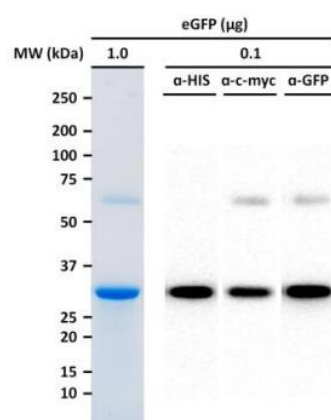
Reconstitute with pure H₂O or 1×PBS to a desired concentration, aliquote and store at -20 centigrade for up to 6 months. Store at -80 centigrade for longer periods. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Official Symbol eGFP

Synonyms eGFP; Enhanced Green Fluorescent Protein

SDS-PAGE



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