

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

Cat. No. eRFP-04 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Dual-tagged, recombinant enhanced Red Fluorescent Protein (mApple, FPbase ID: T5UGO). Contains an N-terminal His-tag, followed by the TEV protease recognition and cleavage site (ENLYFQ G), mApple peptide and a C-terminal c-myc tag; Excitation: 568 nm Emission: 592 nm Isoelectric Point: 6.232
Source	Plant bioreactor fresh leaf tissue
ProteinLength	272AA
Molecular Mass	31.3 kDa
AA Sequence	MASRSHHHHHHDNKKENLYFQGVSKGEELFTGVVPILVELDGDVNGHKFSVSGE GEGDATYGKLTCLKICTTGKLPVPWPTLVTTLTYGVCFSRYPDHMKQHDFFKSAM PEGYVQERTIFFKDDGNYKTRAEVKFEGDTLVNRIELKGIDFKEDGNILGHKLEYNYN SHNVYIMADKQKNGIKVNFKIRHNIEDGSVQLADHYQQNTPIGDGPVLLPDNHYLST QSALSKDPNEKRDHMLLEFVTAAGITLGMDELYKEPALEQKLISEEDL
Purity	>80% pure (by SDS-PAGE, RP-HPLC)
Applications	SDS-PAGE, Western blots, fluorescence microscopy, fluorometry, ELISA.
Storage	Lyophilized protein can be stored in a desiccator at -20 or -80 centigrade for at least 1

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year.
After reconstitution, aliquot and store at -20 centigrade.
Avoid freeze-thaw cycles.

Storage Buffer

Lyophilized in sterile conditions from a concentrated, 0.22 µm-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

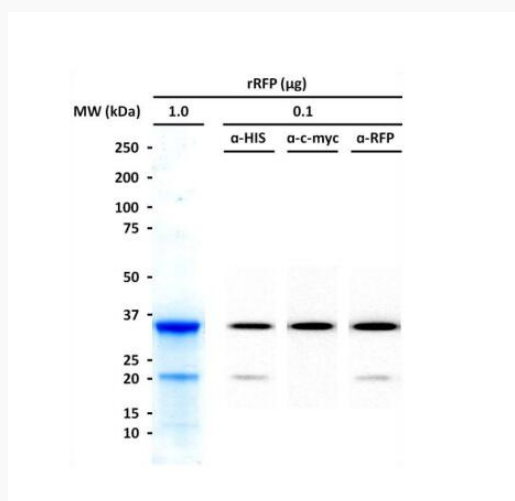
Official Symbol

eRFP

Synonyms

eRFP; Enhanced Red Fluorescent Protein

SDS-PAGE



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