

# Recombinant Enhanced Green Fluorescent Protein, His-tagged, Biotinylated

Cat. No. EGFP-01 Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotin-conjugated recombinant human enhanced green fluorescent protein with N-terminal histidine tag was expressed in Human Embryonic Kidney 293 Cells.
<b>Species</b>	Artificial sequence
<b>Source</b>	HEK293
<b>Description</b>	Energy-transfer acceptor. Its role is to transduce the blue chemiluminescence of the protein aequorin into green fluorescent light by energy transfer. Fluoresces in vivo upon receiving energy from the Ca <sup>2+</sup> -activated photoprotein aequorin.
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	Full length-MVSKGEELFTGVVPILVELDGDVNGHKFSVSGEGEGDATYGKLTCLKFICT TGKLPVPWPTLVTTLTLYGVQCFSRYPDHMKQHDFFKSAMPEGYVQERTIFFKDDGN YKTRAEVKFEGDTLVNRIELKGIDFKEDGNILGHKLEYNYNSHNVYIMADKQKNGIKV NFKIRHNIEDGSVQLADHYQQNTPIGDGPVLLPDNHYLSTQSALS KDPNEKRDHMLV LEFVTAAGITLGMDELYK
<b>Purity</b>	> 95%
<b>Applications</b>	Functional Assay, Protein-protein Interaction, Post-translational Modifications, ELISA, EIA, Western Blotting, Dot Blotting, Immunoprecipitation, Protein Array, etc.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

**Storage** Upon arrival, the lyophilized protein may be stored for 2 weeks at 4 centigrade. For long term storage, it is recommended to store desiccated below -20 centigrade in a manual defrost freezer. Following reconstitution, the protein may be stored for 2 weeks under sterile conditions at -20 centigrade. For long term storage, it is recommended to make appropriate aliquots and store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Lyophilized from a 0.2 µm filtered solution in PBS

**Reconstitution** Briefly spin the vial and bring the contents to the bottom prior to opening. It is recommended to reconstitute at 0.5 - 1 mg/mL with sterile deionized water.

**Shipping** Ice packs

**Conjugation** Biotin

## GENE INFORMATION

**Official Symbol** EGFP

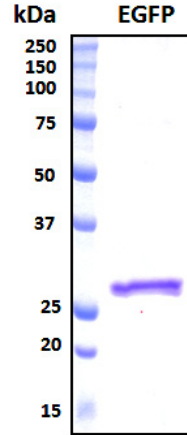
**Synonyms** EGFP; Enhanced Green Fluorescent Protein

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