Recombinant Green Fluorescent Protein, His tagged, Protein G Labeled

Cat. No. GFP-05 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Protein G labeled recombinant Green Fluorescent Protein with His tag was expressed in E. coli.
Source	E.coli
Conjugation/Label	Protein G
Description	Antibody Binding GFP is a Protein G-GFP fusion protein. It consists of protein G and enhanced green fluorescent protein (EGFP), while the two proteins connect via a short peptide. Protein G tightly binds to IgG molecules from rabbit, human, mouse, goat, sheep, cow, and rat. Since protein A binds poorly to human IgG3, mouse IgG1, and immunoglobulins from rat, sheep, and horse, protein G conjugates are especially valuable for detecting these antibodies. EGFP has an excitation and emission spectra of 488/509nm, allowing its detection under fluorescent microscopy and flow cytometry. As an antibody binding GFP, Protein G-EGFP protein can avoid harmful labeling of the detecting antibody. Because staining protocols vary with application, the appropriate dilution of Antibody Binding GFP should be determined empirically.
Form	Liquid
Molecular Mass	51.6 kDa
Purity	≥ 90% by SDS-PAGE

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

Applications	In vitro research use only
Storage	Short Term Storage: -20 centigrade Long Term Storage: -20 centigrade Avoid freeze/thaw cycle. Aliquot upon arrival.
Storage Buffer	50 mM sodium phosphate,100 mM NaCl, 1 mM DTT, pH7.2, 50% glycerol
Concentration	0.5-1.0 mg/mL
Shipping	Cold packs

GENE INFORMATION

Synonyms	GFP; Green Fluorescent Protein
WB	

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