



Recombinant EGFP Protein

Cat. Number: bs-2194P

Quantity size: 100µg/500µg

Host: *E.coli*

Range: Recombinant full length EGFP(N-GST tag)

Format: Liquid.

Concentration: > 1mg/ml

Buffer: 0.01M TBS(pH7.4)

Purity: ≥90%(SDS-PAGE)

MW: 27kD

Background: Enhanced green fluorescence protein (EGFP) is a 27 kDa protein derived from the jellyfish *Aequorea victoria*, which emits green light (emission peak at a wavelength of 509 nm) when excited by blue light (excitation peak at a wavelength of 395 nm). EGFP has become an invaluable tool in cell biology research, since its intrinsic fluorescence can be visualized in living cells. EGFP fluorescence is stable under fixation conditions and suitable for a variety of applications. EGFP has been widely used as a reporter for gene expression, enabling researchers to visualize and localize EGFP-tagged proteins within living cells without the need for chemical staining. Other applications of EGFP include assessment of protein protein interactions through the yeast two hybrid system and measurement of distance between proteins through fluorescence energy transfer (FRET) protocols. EGFP technology has considerably contributed to a greater understanding of cellular physiology.

Storage: Store at -20°C (Avoid repeated freeze/thaw cycles)

Important Note: This product as supplied is intended for research or further manufacturing use only