

Recombinant EGFP protein, GST

Catalog Number: bs-2194P

AA Seq: 1-238/238

Predicted MW: 27

Detected MW: 55 kDa

Tags: GST

Activity: Not tested

Endotoxin: Not analyzed

Purity: >95% as determined by SDS-PAGE

Purification: AC

Form: Lyophilized or Liquid

Storage: Lyophilized powder (Lyophilized from 0.22um filtered solution in 10mM TBS (pH=7.4).

Normally 5% trehalose is added as protectant before lyophilization.).

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

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.

VALIDATION IMAGES



The purity of the protein is greater than 90% as

determined by reducing SDS-PAGE.