

Enhanced Green Fluorescent Protein (EGFP) recombinant protein
Recombinant EGFP Protein, Enhanced Green Fluorescent Protein
Catalog # PBV10534r**Specification**

Enhanced Green Fluorescent Protein (EGFP) recombinant protein - Product infoCalculated MW **32.7 kDa KDa****Enhanced Green Fluorescent Protein (EGFP) recombinant protein - Additional Info****Other Names**

E-GFP, Enhanced Green Fluorescent Protein

Source

Assay&Purity

Assay2&Purity2

Recombinant

E. coli**SDS-PAGE; ≥97%****HPLC; ≥97%****Yes****Application Notes**

Reconstitute with PBS to 1 mg/ml

Format

Lyophilized protein

Storage

-80°C; Freeze Dried

Enhanced Green Fluorescent Protein (EGFP) recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Enhanced Green Fluorescent Protein (EGFP) recombinant protein - Images**Enhanced Green Fluorescent Protein (EGFP) recombinant protein - Background**

The recombinant EGFP is expressed and purified from transformed E. coli using a method that ensures high purity and maximal GFP fluorescence. Endotoxin has been removed, so the protein is suitable for in vivo injection or cell culture applications. The recombinant EGFP (Gene Bank Accession no. U57607) is a 32.7 kDa monomer with 293 amino acids tagged with 6XHis on both N- and C-terminus. Therefore, the EGFP can be detected by both His-tag antibody (Cat.# 3998-100) and GFP antibody on Western Blot analysis. The excitation and emission spectra for the

recombinant EGFP is identical to GFP purified from *Aequorea Victoria* (Chalfie et al, 1994), with Ex/Em = 488/507 nm ($\epsilon_{489\text{ nm}} = 55,000\text{ M}^{-1}\text{ cm}^{-1}$; $\epsilon_{280\text{ nm}} = 21980\text{ M}^{-1}\text{ cm}^{-1}$).