



Green Fluorescent Protein GFP

Cat. No.	size
E4702-01	100 µg

Concentration: 1 mg/ml, determined with Bradford protein assay.

Quality Control:

All preparations are assayed for contaminating endonucleases, exonucleases, nonspecific RNases, single- and double-stranded DNase activities. Greater than 90% as determined by SDS-PAGE.

References:

1. J L Casey et al, *Protein engineering*, 13(6), 445-452 (2000-07-06).

C-terminal HIS-tagged full-length Green Fluorescent Protein, expressed in *E. coli*. Green fluorescent protein (GFP) is a cytoplasmic protein found in jellyfish *Aequorea victoria* (1).

Description:

GFP acts as an energy transfer receptor and is actively involved in the transduction of blue chemiluminescence produced by the protein aequorin. Its main function is to convert this chemical energy into green fluorescence through an efficient energy transfer process. GFP, *Aequorea victoria* (His) is the recombinant protein, expressed in *E. coli*. and has molecular weight of 27 kDa.

Fluorochrome activity: excitation 488 nm
emission 509 nm

Format: liquid

Storage buffer: 100 mM NaCl, 50 mM Tris-HCl (pH 8.0), 0.1 mM EDTA, 1 mM DTT, 50% glycerol.

Storage conditions: Store at 4°C (short term). Aliquot and store at -20°C (long term).

Applications: ICC, WB, IHC, IF

Immunogen: Full length recombinant GFP