

# Recombinant GFP Protein

Catalog Number:PDEO100004



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

|                                    |                           |
|------------------------------------|---------------------------|
| <b>Synonyms</b>                    | Green fluorescent protein |
| <b>Species</b>                     | Aequorea victoria         |
| <b>Expression Host</b>             | E.coli                    |
| <b>Sequence</b>                    | Met1-Lys238               |
| <b>Accession</b>                   | P42212                    |
| <b>Calculated Molecular Weight</b> | 26.9 kDa                  |
| <b>Observed molecular weight</b>   | 30 kDa                    |
| <b>Tag</b>                         | N-His                     |

## Properties

|                       |   |
|-----------------------|---|
| <b>Purity</b>         | > 90 % as determined by reducing SDS-PAGE.  |
| <b>Endotoxin</b>      | Please contact us for more information.   |
| <b>Storage</b>        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.                         |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.   |
| <b>Formulation</b>    | Lyophilized from sterile PBS, pH 7.4, 15% glycerol, 5% trehalose, 5% mannitol, 0.01% tween-80.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.  |

## Background

Energy-transfer acceptor. Its role is to transduce the blue chemiluminescence of the protein aequorin into green fluorescent light by energy transfer. Fluoresces in vivo upon receiving energy from the Ca<sup>2+</sup>-activated photoprotein aequorin.

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Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017