

## GFP recombinant protein

GFP recombinant protein

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| CATALOG #<br><b>AAA72904</b> | APPLICATIONS<br><b>Western Blot</b> |
|------------------------------|-------------------------------------|

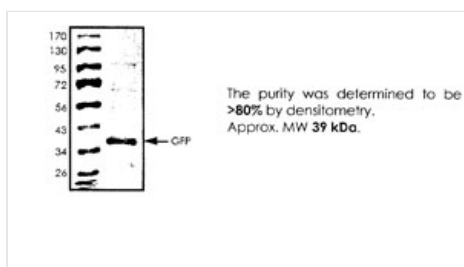
### PRODUCT SYNONYMS

GFP; GFP recombinant protein; gfp

### PRODUCT SPECIFICATIONS

|                                                     |                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification                                 | >80%                                                                                                                                                                                                                                                               |
| Form/Format                                         | Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.                                                                                                                                    |
| Concentration                                       | 0.2 ug/mL (varies by lot)                                                                                                                                                                                                                                          |
| Sequence Length                                     | 238                                                                                                                                                                                                                                                                |
| Applicable Applications for GFP recombinant protein | WB (Western Blot)                                                                                                                                                                                                                                                  |
| Source Note                                         | Recombinant full-length bacterial gonococci GFP was expressed in E. coli cells                                                                                                                                                                                     |
| Gene Aliases                                        | gfp                                                                                                                                                                                                                                                                |
| Preparation and Storage                             | Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.<br><br>Ships with dry ice. |

### IMAGES



#### SDS-PAGE

The purity was determined to &gt;80% by densitometry. Approx. MW 39 kDa

### ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Related Product Information for GFP recombinant protein | Recombinant full-length bacterial gonococci GFP was expressed in E. coli cells using an N-terminal His tag.<br><br><b>Scientific Background:</b> GFP or green fluorescent protein generates a highly visible efficiently emitting internal fluorophore and has been extensively used as a marker of gene expression and protein targeting in intact cells and organisms (1). This GFP was originally used in the Neisseria gonorrhoeae expression plasmid pCmGFP (2) and belongs to the cl08319 superfamily (3). |
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|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for GFP recombinant protein | Cellular Proteins; Signaling Proteins - Cellular Proteins                                                                                                                                                                                                                                                                                                                                                                                         |
| References                                            | <ol style="list-style-type: none"> <li>1. Tsien RY. The green fluorescent protein. Annu Rev Biochem. 67:509-44, 1998.</li> <li>2. Srikhanta, Y.N. et al: Phasevarions mediate random switching of gene expression in pathogenic Neisseria. PLoS Pathog. 5 (4), E1000400, 2009.</li> <li>3. Marchler-Bauer A et al., "CDD: a Conserved Domain Database for the functional annotation of proteins.", Nucleic Acids Res.39(D)225-9, 2011.</li> </ol> |

## NCBI AND UNIPROT INFORMATION

|                           |                           |
|---------------------------|---------------------------|
| NCBI GI #                 | 211909965                 |
| NCBI GeneID               | 7011691                   |
| NCBI Accession #          | YP_002302326              |
| NCBI GenBank Nucleotide # | NC_011521.1               |
| Molecular Weight          | ~39 kDa                   |
| NCBI Official Full Name   | green fluorescent protein |
| NCBI Official Symbol      | gfp                       |
| NCBI Protein Information  | green fluorescent protein |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gfp-recombinant-protein-wb-western-blot/72904>