

GFP recombinant protein

GFP, 1-238aa, Aequorea victoria, E Coli

CATALOG # AAA11761	HOST E Coli	APPLICATIONS SDS-Page
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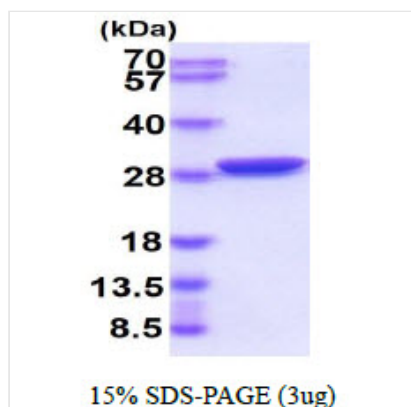
PRODUCT SYNONYMS

GFP; 1-238aa; Aequorea victoria; E Coli; Green fluorescent protein; GFP recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MSKGEELFTG VVPILVELDG DVNGHKFSVS GEGEGDATYG KLTCLKICTT GKLPVPWPTL VTTFSYGVQC FSRYPDHMKQ HDFFKSAMPE GYVQERTIFF KDDGNYKTRA EVKFEGDTLV NRIELKGIDF KEDGNILGHK LEYNYNSHNV YIMADKQKNG IKVNFKIRHN IEDGSVQLAD HYQQNTPIGD GPVLLPDNHY LSTQSALSKD PNEKRDHMLV LEFVTAAGIT HGMDELYK
Sequence Length	1-238
Applicable Applications for GFP recombinant protein	SDS-PAGE
Tag	Non-tagged.
Endotoxin Level	< 1.0 EU per 1 ug of protein (determined by LAL method)
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for GFP recombinant protein	GFP, also known as green fluorescent protein, is a protein produced by the jellyfish (Aequorea Victoria) that emits bioluminescence in the green zone of the visible spectrum. GFP has become a useful and ubiquitous tool for making chimeric proteins, where it functions as a fluorescent protein tag. It has been expressed in most known cell types and is used as a noninvasive fluorescent marker in living cells and organisms. This protein enables a wide range of applications where it has functioned as a cell lineage tracer, reporter of gene expression, or as a measure of protein-protein interactions. Recombinant GFP protein was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for GFP recombinant protein	Fusion Tag & Detection
References	Millan MI, et al. (2009). Medicina. 69 (3):370-4.; Marshall J, et al. (1995). Neuron, 14 (2):211-5.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	155661
Molecular Weight	26.8 kDa (238aa), confirmed by MALDI-TOF.
NCBI Official Full Name	green-fluorescent protein
UniProt Protein Name	Green fluorescent protein
UniProt Gene Name	GFP

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-e-coli-sds-page/11761>