

Recombinant Aequorea victoria GFP Protein

Cat. No. GFP-11A Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Aequorea victoria GFP Protein (1-238 aa) is produced by E. coli expression system.
Species	Aequorea victoria
Source	E.coli
ProteinLength	1-238 aa
Description	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.
Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Molecular Mass	26.8 kDa (238aa), confirmed by MALDI-TOF.
Endotoxin	< 1.0 EU per 1ug of protein (determined by LAL method)

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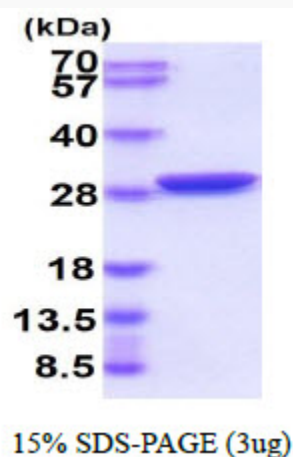
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Purity	> 95% by SDS - PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 centigrade to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 centigrade to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Synonyms	Green fluorescent protein;GFP
Protein Refseq	AAA27721
UniProt ID	P42212



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

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