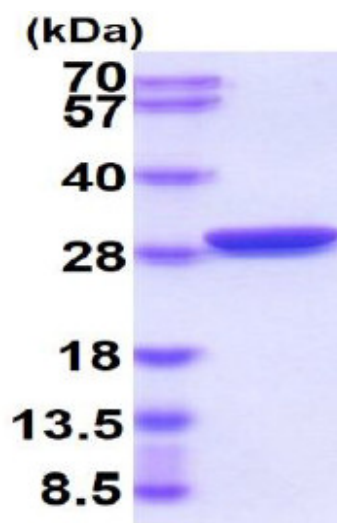


AR09180PU-L

Recombinant Aequorea victoria GFP (aa 1-238)

Alternate names:	GFP-Tag, Green fluorescent protein
Quantity:	0.5 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	P42212
NCBI:	6100
Species:	A. victoria
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)
Description:	Recombinant GFP protein was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MSKGEELFTG VVPILVELDG DVNGHKFSVS GEGEGDATYG KLTLKFICTT GKLVPWPPTL VTTFSGVQC FSRYPDHMKQ HDFSAMPE GYVQERTIFF KDDGNYKTRA EVKFEGDTLV NRIELKGIDF KEDGNILGHK LEYNYNSHNV YIMADKQKNG IKVNFKIRHN IEDGSVQLAD HYQQNTPIGD GPVLLPDNHY LSTQSALSKD PNEKRDHMLV LEFVTAAGIT HGMDLYK Molecular weight: 26.8 kDa Confirmed by MALDI-TOF (238 aa)
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Millan MI, et al. (2009). Medicina, 69(3):370-4. 2. Marshall J, et al. (1995). Neuron, 14(2): 211-5.

Pictures:



15% SDS-PAGE (3ug)