

Green Fluorescent Protein Recombinant

Item Number	rAP-4425
Synonyms	Green fluorescent protein, GFP.
Description	rGFP Aequorea victoria produced in E.Coli is a single, non-glycosylated polypeptide chain containing 238 amino acids (1-238 a.a.) and having a molecular mass of 26.8 kDa.rGFP is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P42212
Amino Acid Sequence	MSKGEELFTG VVPILVELDG DVNGHKFSVS GEGEGDATYG KLTLKFICTT GKLPVPWPTL VTTFSY-GVQC FSRYPDHMKQ HDFSAMPEGYVQERTIFF KDDGNYKTRA EVKFEGDTLV NRIELKGIDF KEDGNILGHK LEYNYNSHNV YIMADKQKNG IKVNFKIRHN IEDGSVQLADHYQQNTPIGD GPVLLPDNHY LSTQSALSKD PNEKRDHMLV LEFVTAAGIT HGMDELYK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered yellowish solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	The Green Fluorescent Protein solution (1mg/ml) contains 20mM Tris-HCl, pH-8 and 10% Glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**