9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

rGFP

Green Fluorescent Protein Recombinant
RCP1852

Product Overview

Name	rGFP
Description	
Green Fluorescent Protein Recombinant	
Accession (Primary)	P42212
Synonyms	
Green fluorescent protein, GFP.	
Introduction	
rGFP, also known as Green Fluorescent Protein, is a protein produced by the jellyfish (Aequorea Victoria) that produces bioluminescence in the green zone of the noticeable spectrum. Green Fluorescent Protein is a useful and ubiquitous instrument for producing chimeric proteins, where it functions as a fluorescent protein tag. rGFP is expressed in most known cell types and is used as a noninvasive fluorescent marker in living cells and organisms. Green Fluorescent Protein permits a broad range of applications where it has functioned as a cell lineage tracer, reporter of gene expression, or as a measure of protein-protein interactions.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered yellowish solution.	
Formulation	
The Green Fluorescent Protein solution (1mg/ml) contains 20mM Tris-HCl, pH-8 and 10% Glycerol.	
Stability	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MSKGEELFTG VVPILVELDG DVNGHKFSVS GEGEGDATYG KLTLKFICTT GKLPVPWPTL VTTFSYGVQC FSRYPDHMKQ HDFFKSAMPEGYVQERTIFF KDDGNYKTRA EVKFEGDTLV NRIELKGIDF KEDGNILGHK LEYNYNSHNV YIMADKQKNG IKVNFKIRHN IEDGSVQLAD HYQQNTPIGD GPVLLPDNHY LSTQSALSKD	

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PNEKRDHMVL LEFVTAAGIT HGMDELYK.

Precautions

rGFP is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P42212)