

Recombinant Pan-species (General) GFP Protein, His-tagged

Cat. No. GFP-2761P Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Pan-species (General) GFP Protein with a N-His tag was expressed in E. coli.
Species	Pan-species
Source	E.coli
Description	Green Fluorescent Protein (GFP) is a versatile biological marker for monitoring physiological processes, visualizing protein localization, and detecting transgenic expression in vivo.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 37.0 kDa Accurate Molecular Mass: 39 kDa
AA Sequence	KETWWETWWTEWSQPKKKRKG-Met1-Lys238-TRTRPLEQKLISEEDLAANDILDYK DDDDKV
Purity	> 90%
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Official Symbol	GFP
Synonyms	Green Fluorescent Protein; GFP



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