

RFP recombinant protein

RFP Protein

CATALOG # AAA73946	HOST E Coli
------------------------------	-----------------------

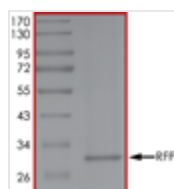
PRODUCT SYNONYMS

RFP; RFP Protein; drFP583; DsRed; RFP recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>90%
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, and 25% glycerol.
Concentration	0.2ug/ul (varies by lot)
Tag	HIS
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. Stability: 1 year at -70 degrees from date of receipt.

IMAGES



SDS-PAGE

The purity of RFP was determined to be >90% by densitometry. Approx. MW 29 kDa

ADDITIONAL INFORMATION

Related Product Information for RFP recombinant protein	Recombinant full-length Sea anemone RFP was expressed in E Coli cells using an N-terminal His tag. The RFP protein accession number is AAF03369. RFP (red fluorescent protein drFP583) has the protection role from the UV light and the conversion of suitable light for the microalgal symbionts in the coral reefs (1). The RFP proteins can be used in multicolor tagging experiments, avoiding natural cellular autofluorescence, and the resonance energy transfer-based experiments (2). The broad fluorescence emission spectrum peaks is at 583 nm (3).
Product Categories/Family for RFP recombinant protein	Fluorescent and Color Proteins; Cancer; Cellular Stress; Neurobiology; Receptor Tyrosine Kinases
References	1. Matz, M.V., et al.: Fluorescent proteins from non-bioluminescent Anthozoa species. Nat. Biotechnol. 17 (10), 969-973, 1999. 2. Yarbrough D., et al.: Refined crystal structure of DsRed, a red fluorescent protein from coral, at 2.0-A resolution. Proc Natl Acad Sci USA.; 98(2):462-7, 2001. 3. http://www.uniprot.org/uniprot/Q9U6Y8 .

NCBI AND UNIPROT INFORMATION

Molecular Weight	~29kDa
------------------	--------

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rfp-recombinant-protein-e-coli/73946>