

Recombinant Red fluorescent protein drFP583, Homotetramer

Cat. No. RFP-160 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Red fluorescent protein drFP583, Homotetramer was expressed in E.coli.
Source	E.coli
Form	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4with 0.02% Tween-20.
Bio-activity	Red Fluorescent under UV radiation
Molecular Mass	The monomer Approximately 26kDa, 225 amino acids.
AASequence	MRSSKNVIKEFMRFKVRMEGTVNGHEFEIEGEGEGRPYEGHNTVKLKVTKGGLPF AWDILSPQFQYGSKVYVKHPADIPDYKKLSFPEGFKWERVMNFEDGGVVTVTQDSS LQDGCFIYKVKFIGVNFPSDGPVMQKKTMGWEASTERLYPRDGVLKGEIHKALKLKD GGHYLVEFKSIYMAKKPVQLPGYYYVDSKLDITSHNEDYTIVEQYERTEGRHHLFL
Endotoxin	<0.1EU/µg drFP583 protein as determined by LAL method.
Purity	>96% by SDS-PAGE or HPLC.
Storage	White lyophilized powder. For long term storage, the product should be stored ≤-20°C. 36 months, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution; 3 months, -20 to -70°C under sterile conditions after reconstitution. Please avoid repeated freeze-thaw cycles.

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Reconstitution

This vial must be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a sterile aqueous buffer to an appropriate concentration. Stock solutions should be apportioned into working aliquots and stored at $\leq -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

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