

Active Recombinant Discosoma sp OFP Protein, His-tagged

Cat. No. OFP-1032D Lot. No. (See product label)

SPECIFICATION

Product Overview	OFP is a red (orange) fluorescent protein derived from DsRed(similarity is 83%). OFP was expressed with a polyhistide tag at the C-terminus.
Species	Discosoma sp
Source	E.coli
Predicted N Terminal	Met
Form	Lyophilized from sterile Tris, pH 8.01, 5%~8% trehalose and mannitol.
Bio-activity	OFPSpark™ expression vector transfected 293 H cells transiently. After 48 h, the strong orange fluorescent signals can be detected under the excitation channel of 503.5~547.5 nm, and the strong red fluorescent signals can be detected under the excitation
Molecular Mass	The recombinant Discosoma sp. OFPSpark™ consisting of 231 amino acids and has a calculated molecular mass of 26.4 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>99 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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Storage

Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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