

## Active Recombinant Discosoma sp OFP Protein, His-tagged

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

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b>     | OFP is a red (orange) fluorescent protein derived from DsRed(similarity is 83%). OFP was expressed with a polyhistide tag at the C-terminus.                                                                                                                   |
| <b>Species</b>              | Discosoma sp                                                                                                                                                                                                                                                   |
| <b>Source</b>               | E.coli                                                                                                                                                                                                                                                         |
| <b>Predicted N Terminal</b> | Met                                                                                                                                                                                                                                                            |
| <b>Form</b>                 | Lyophilized from sterile Tris, pH 8.01, 5%~8% trehalose and mannitol.                                                                                                                                                                                          |
| <b>Bio-activity</b>         | 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 |
| <b>Molecular Mass</b>       | The recombinant Discosoma sp. OFPSpark™ consisting of 231 amino acids and has a calculated molecular mass of 26.4 kDa.                                                                                                                                         |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                                |
| <b>Purity</b>               | >99 % as determined by SDS-PAGE.                                                                                                                                                                                                                               |
| <b>Stability</b>            | 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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