

# Discosoma sp Orange fluorescent protein / OFP/Green fluorescent protein / GFP (His Tag)



Catalog Number: 504491

## General Information

### Protein Construction

OFPSpark™ is a red (orange) fluorescent protein derived from DsRed(similarity is 83%). OFPSpark™ was expressed with a polyhistidine tag at the C-terminus(Patent 201510003374.3).

### Organism

Discosoma sp

### Expression Host

E. coli

## QC Testing

### 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 channel of 532.5~587.5 nm.

### Purity

> 99 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

### Molecular Mass

The recombinant Discosoma sp. OFPSpark™ consisting of 231 amino acids and has a calculated

molecular mass of 26.4 kDa.

### Formulation

Lyophilized from sterile Tris, pH 8.0  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

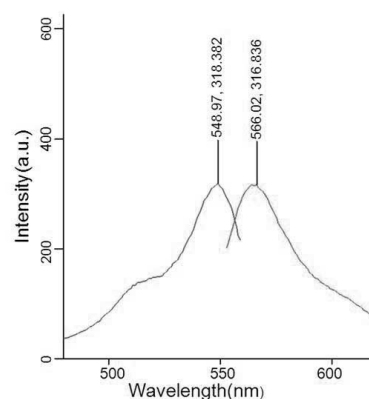
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE

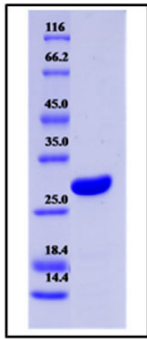


Discosoma sp orange fluorescent protein / OFP (His Tag)

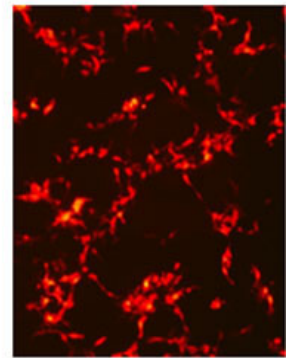
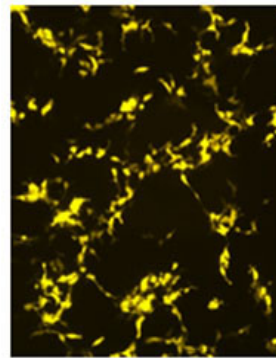
# Discosoma sp Orange fluorescent protein / OFP/Green fluorescent protein / GFP (His Tag)



Catalog Number: 504491



OFPSpark™ protein of high purity    OFPSpark™ on SDS-PAGE



Discosoma sp orange fluorescent protein / OFP (His Tag)

Discosoma sp orange fluorescent protein / OFP (His Tag)