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

Catalog Number: 504491

General Information

Protein Construction

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

Organism

Discosoma sp

Expression Host

E. coli

QC Testing

Activity

OFPSparkTM 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℃

Predicted N terminal

Met

Molecular Mass

The recombinant Discosoma sp. OFPSparkTM 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

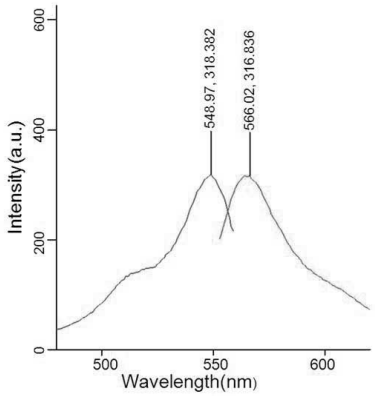
Storage

Store it under sterile conditions at -20℃ to -80℃. 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



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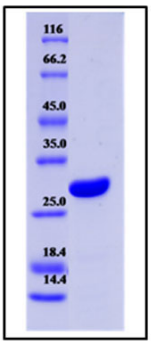
OFPSpark™ protein of high purity



OFPSpark™ on SDS-PAGE

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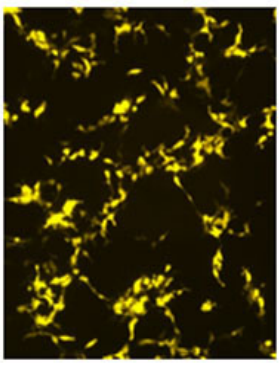

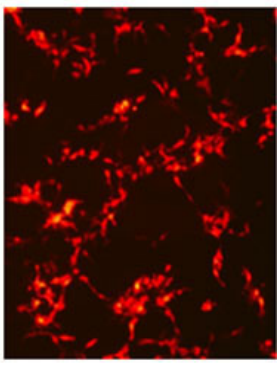

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