

Recombinant Full Length Danio Rerio Opsin-1, Short-Wave-Sensitive 2(Opn1Sw2) Protein, His-Tagged

Cat. No. RFL11807DF Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Danio rerio Opsin-1, short-wave-sensitive 2(opn1sw2) Protein (Q9W6A8) (1-354aa), fused to N-terminal His tag, was expressed in E. coli.

Species

zebrafish

Source

E.coli

ProteinLength

Full Length (1-354)

Form

Lyophilized powder

AA Sequence

MKQQQQTPELFDHFHMPITLDVSNISAYSPPFLVPQDHLGHSGVFMGMSAFMLFLFIA
GTA INVLTVCTIQYKKLRSHLNYILVNLAISNLWVSVFGSSVAFYAFYKKYFVFGPIG
CKIE GFTSTIGGMVSLWVVALERWLVICKPLGNFTFKTPHAIAGCILPWCMALAA
GLPPLL GWSRYIPEGLQCSCGPDWYTTNNKFNNESYVMFLFCFCFAVPFSTIVFCY
GQLLITLKLA AKAQADSASTQKAEREVTKMVVVMVFGFLICWGPYAIFAIWVVSNRG
APFDLRLATIPSC LCKASTVYNPVIYVLMNKQFRSCMMKMFVNKNIEEDEASSSSQV
TQVSSVAPEK

Purity

Greater than 90% as determined by SDS-PAGE.

Notes

Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

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| Storage | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles. |
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| Storage Buffer | Tris/PBS-based buffer, 6% Trehalose, pH 8.0 |
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| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
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GENE INFORMATION

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| Gene Name | opn1sw2 |
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| Synonyms | opn1sw2; bluops; opn1sw1; sws2; Opsin-1, short-wave-sensitive 2; Blue cone photoreceptor pigment; Blue-sensitive opsin; Opsin SWS-2 |
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| UniProt ID | Q9W6A8 |
|-------------------|------------------------|

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