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	MKQQQQTPELFEDFHMPITLDVSNISAYSPFLVPQDHLGHSGVFMGMSAFMLFLFIA GTA INVLTIVCTIQYKKLRSHLNYILVNLAISNLWVSVFGSSVAFYAFYKKYFVFGPIG CKIE GFTSTIGGMVSLWSLAVVALERWLVICKPLGNFTFKTPHAIAGCILPWCMALAA GLPPLL GWSRYIPEGLQCSCGPDWYTTNNKFNNESYVMFLFCFCFAVPFSTIVFCY GQLLITLKLA AKAQADSASTQKAEREVTKMVVVMVFGFLICWGPYAIFAIWVVSNRG APFDLRLATIPSC LCKASTVYNPVIYVLMNKQFRSCMMKMVFNKNIEEDEASSSSQV 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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Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
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℃/-80℃. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

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

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