

Recombinant Full Length Danio Rerio Opsin-1, Short-Wave-Sensitive 1(Opn1Sw1) Protein, His-Tagged

Cat. No. RFL18937DF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Danio rerio Opsin-1, short-wave-sensitive 1(opn1sw1) Protein (Q9W6A9) (1-336aa), fused to N-terminal His tag, was expressed in E. coli.
Species	zebrafish
Source	E.coli
ProteinLength	Full Length (1-336)
Form	Lyophilized powder
AA Sequence	MDAWAVQFGNASKVSPFEGEQYHIAPKWAFYLQAAFMGFVFIVGTPMNGIVLFVTM KYKK LRQPLNYILVNISLAGFIFDTFSVSQVFVCAARGYYFLGYTLCAMEAAMGSIAG LVTGWS LAVLAFERYVVICKPFGSFKFGQGQAVGAVVFTWIIGTACATPPFFGWSR YIPEGLGTAC GPDWYTKSEEYNSESITYFLLITCFMMPMTIIIFSYSQLLGALRAVAA QQAESTQKAE REVS RMVVVMVGSFVLCYAPYAVTAMYFANSDEPNKDYRLVAI PAFFSKSSCVYNPLIYA FMNKQFNACIMETVFGKKIDESSEVSSKTETSSVSA
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.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid

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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°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name opn1sw1

Synonyms opn1sw1; opn1sw2; sws1; uvops; Opsin-1, short-wave-sensitive 1; Opsin SWS-1; Ultraviolet cone photoreceptor pigment; Ultraviolet-sensitive opsin

UniProt ID [Q9W6A9](#)

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