Recombinant Full Length Mouse Short-Wave-Sensitive Opsin 1(Opn1Sw) Protein, His-Tagged

Cat. No. RFL28742MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Mouse Short-wave-sensitive opsin 1(Opn1sw) Protein (P51491) (1-346aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Full Length (1-346)
Form	Lyophilized powder
AA Sequence	MSGEDDFYLFQNISSVGPWDGPQYHLAPVWAFRLQAAFMGFVFFVGTPLNAIVLVA TLHY KKLRQPLNYILVNVSLGGFLFCIFSVFTVFIASCHGYFLFGRHVCALEAFLGSV AGLVTG WSLAFLAFERYVVICKPFGSIRFNSKHALMVVLATWIIGIGVSIPPFFGWSR FIPEGLQC SCGPDWYTVGTKYRSEYYTWFLFIFCFIIPLSLICFSYSQLLRTLRAVAAQ QQESATTQK AEREVSHMVVVMVGSFCLCYVPYAALAMYMVNNRNHGLDLRLVTIP AFFSKSSCVYNPII YCFMNKQFRACILEMVCRKPMADESDVSGSQKTEVSTVSSSK VGPH
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C

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	for up to one week.
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	Opn1sw
Synonyms	Opn1sw; Bcp; Short-wave-sensitive opsin 1; S opsin; Blue cone photoreceptor pigment; Blue-sensitive opsin; BOP; Short wavelength-sensitive cone opsin
UniProt ID	P51491

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