

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

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

SPECIFICATION

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| 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 | Mus musculus |
| Source | E.coli |
| ProteinLength | Full Length (1-346) |
| Form | Lyophilized powder |
| AA Sequence | MSGEDDFYLFQNISSVGPWDGPQYHLAPVWAFRLQAAFMGVFFVGTPLNAIVLVA TLHY KCLRQPLNYILVNVSLGGFLFCIFS VFTVFIASCHGYFLFGRHVCALEAFLGSV AGLVTG WSLAFLAFERYVVICKPFGSIRFNSKHALMVVLATWIIGIGVSIPFFGWSR FIPEGLQC SCGPDWYTVGTYRSEYYTWFLFIFCFIPLSLICFSYSQLLRTLRAVAAQ QQESATTQK AEREVSHMVVVMVGSFCLCYVPYAALAMYMVNNRNHGLDLRLVTIP AFFSKSSCVYNPII YCFMKNQFRACILEMVCRKPMADESDVSGSQKTEVSTVSSSK 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°C/-80°C. 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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