

Recombinant Full Length Guinea Pig Medium-Wave-Sensitive Opsin 1 (Opn1Mw) Protein, His-Tagged

Cat. No. RFL31193CF **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | Recombinant Full Length Guinea pig Medium-wave-sensitive opsin 1 (OPN1MW) Protein (Q9R024) (1-364aa), fused to N-terminal His tag, was expressed in E. coli. |
| Species | Guinea pig |
| Source | E.coli |
| Protein Length | Full Length (1-364) |
| Form | Lyophilized powder |
| AA Sequence | MAQRWGPHALSGVQAQDAYEDSTQASLFTYTNSNTRGPFEGPNYHIAPRWVYHL TSAWM TIVVIASIFTNGLVLVATMRFKLRHPLNWILVNLAVADLAETVIASISVVNQ VYGYFV LGHPLCVVEGYTVSLCGITGLWSLAISWERWLVVCKPFGNVRFDAKLAIV GIVFSWVWS AVWTAPPIFGWSRYWPYGLKTSCGPDVFSGTSYPGVQSYMMVLMV TCCITPLSIIVLCYL HVWLAIRAVAKQQKESESTQKAEKEVTRMVVVMVLAYCLCWG PYAFFACFATANPGYSFH PLVAALPAYFAKSATIYNPIIYVFMNRQFRNCILQLFGKK VEDSSELSSTSRTASSVSS VSPA |
| 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. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 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 | OPN1MW |
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| Synonyms | OPN1MW; GCP; Medium-wave-sensitive opsin 1; Green cone photoreceptor pigment; Green-sensitive opsin; Medium wavelength-sensitive cone opsin |
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| UniProt ID | Q9R024 |
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