

# Recombinant Full Length Sciurus Carolinensis Medium-Wave-Sensitive Opsin 1 (Opn1Mw) Protein, His-Tagged

**Cat. No.** RFL29163SF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Sciurus carolinensis Medium-wave-sensitive opsin 1(OPN1MW) Protein (O35478) (1-364aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Sciurus carolinensis (Gray squirrel)
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full Length (1-364)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	MAQRWDPQRLAGGQPQDSHEDSTQSSIFTYTNSNATRGPFEGPNYHIAPRWVYHI TSTWM IIVVIASVFTNGLVLVATMKFKLRHPLNWILVNLAIADLAETVIASISVVNQL YGYFV LGHPLCVVEGYTVSVCGITGLWSLAIISWERWLVVCKPFGNMRFDAKLAIVG IAFSWIWS AVWTAPPIFGWSRYWPYGLKTSCGPDVFSGTSYPGVQSYMMVLMVTC CIIPLSIIILCYL QVWLAIRAVAKQQKESESTQKAEKEVTRMVVVMVFAYCLCWGPYT FFACFATANPGYAFH PLVAALPAYFAKSATIYNPIIYVFMNRQFRNCILQLFGKKVDD TSELSSASKTEASSVSS VSPA
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Applications</b>	SDS-PAGE

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<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
<b>Reconstitution</b>	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.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	OPN1MW
<b>Synonyms</b>	OPN1MW; GCP; Medium-wave-sensitive opsin 1; Green cone photoreceptor pigment; Green-sensitive opsin; Medium wavelength-sensitive cone opsin
<b>UniProt ID</b>	<a href="#">O35478</a>

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