

Recombinant Full Length Manduca Sexta Opsin-3(Op3) Protein, His-Tagged

Cat. No. RFL26836MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Manduca sexta Opsin-3(OP3) Protein (O96107) (1-384aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Manduca sexta (Tobacco hawkmoth) (Tobacco hornworm)
Source	E.coli
ProteinLength	Full Length (1-384)
Form	Lyophilized powder
AA Sequence	MATNFTQELYEIGPMAYPLKMISKDVAEHMLGWNIP EEHQDLVHDHWRNFP AVSKY WHYV LALIYTMLMVTSLTGNGIWIWIFSTSKSLRSASNMFVINLAVFDLMMM LEMPLL IMNSFY QRLVGYQLGCDVYAVLGSLSGIGG AITNAVIAFDRYKTISSPLDGRINTVQA GLLIAFTW FWALPFTILPAFRIWGRFVPEGFLTTC SFDYFTEDQDTEVFVACIFVWSY CIPMALICYF YSQLFGAVRLHERMLQEQA KKMNVKSLASNKEDNSRSVEIRIAKVAF TIFFLFICAWTPY AFVTMTGAFGDRTL LTPIATMIPAVCCKVVSCIDPWVYAINHPRYR AELQKRLPWMGVRE QDPDAVSTTT SVATAGFQPPAAEA
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	OP3
Synonyms	OP3; Opsin-3; MANOP3; Rhodopsin 3, short-wavelength; Rhodopsin P450
UniProt ID	O96107

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