

# Recombinant Full Length Sepia Officinalis Rhodopsin(Rho) Protein, His-Tagged

**Cat. No.** RFL5530SF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Sepia officinalis Rhodopsin(RHO) Protein (O16005) (1-464aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Sepia officinalis (Common cuttlefish)
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full Length (1-464)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	<p>MGRDIPDNETWWYNPTMEVHPHWKQFNQVPDAVYYSLGIFIGICGIIGCTGNGIVIYL  FT KTKSLQTPANMFIINLAFSDFTFSLVNGFPLMTISCFIKKWVFGMAACKVYGFIGGI  FGL MSIMTMSMISIDRYNVIGRPMAASKKMSHRRFLMIIFVWMWSTLWSIGPIFGW  GAYVLE GVLNCNSFDYITRDSATRSNIVCMYIFAFCFPILIIFFCYFNIVMAVSNHEKE  MAAMAKR LNAKELRKAQAGASAEMKLAKISIVIVTQFLLSWSPYAVVALLAQFGPIE  WVTPYAAQLP VMFAKASAIHNPLIYSVSHPKFREAI AENFPWIITCCQFDEKEVEDDK  DAETEIPATEQS GGESADAAQM KEMMAMMQMQQQQAAYPPQGAYPPQGGYPP  QGYP PPAQGGYPPQGYP P PPQGYPPAQGYPPQGYP P PPGAPPQGAPPQAAPP  QGVDNQAYQA</p>
<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>	RHO
<b>Synonyms</b>	RHO; Rhodopsin
<b>UniProt ID</b>	<a href="#">O16005</a>

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