

Recombinant Full Length *Todarodes Pacificus* Rhodopsin(Rho) Protein, His-Tagged

Cat. No. RFL26887TF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Todarodes pacificus</i> Rhodopsin(RHO) Protein (P31356) (2-448aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Todarodes pacificus</i> (Japanese flying squid) (<i>Ommastrephes pacificus</i>)
Source	<i>E. coli</i>
ProteinLength	Full Length of Mature Protein (2-448)
Form	Lyophilized powder
AA Sequence	GRDLRDNETWWYNPSIVVHPHWREFDQVPDAVYYSLGIFIGICGIIGCGGNGIVIYLF TK TKSLQTPANMFIINLAFSDFTFSLVNGFPLMTISCFLKKWIFGFAACKVYGFIGGIF GFM SIMTMAMISIDRYNVIGRPMASKKMSHRRAFIMIIFVWLWSVLWAIGPIFGWG AYTLEG VLCNCSFDYISRDSTTRSNI LCMFILGFFGPILIIFFCYFNIVMSVSNHEKEMA AMAKRL NAKELRKAQAGANAEMRLAKISIVIVSQFLLSWSPYAVVALLAQFGPLEWV TPYAAQLPV MFAKASAIHNPMIYSVSHPKFREAISQTFPWVLTCCQFDDKETEDDKD AETEIPAGESSD AAPSADAAQMKEMMAMMQMQQQQAAYPPQGYAPPPQGYPP QGYPQGYPPQGYPPQGYPP PPPQGAPPQGAPPAAPPQGVNDQAYQA
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple 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	RHO
Synonyms	RHO; Rhodopsin
UniProt ID	P31356

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