

Recombinant Full Length *Atherina Boyeri* Rhodopsin(Rho) Protein, His-Tagged

Cat. No. RFL21513AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Atherina boyeri</i> Rhodopsin(rho) Protein (Q9YGZ1) (1-354aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Atherina boyeri</i> (Big-scale sand smelt)
Source	<i>E. coli</i>
ProteinLength	Full Length (1-354)
Form	Lyophilized powder
AA Sequence	MNGTEGPYFYIPMLNTTGVVRSPEYYPQYYLVNPAAYAVLGAYMFFLILVGFPINFLT LY VTIEHKKLRTPLNYILLNLAVADLFMVFGGFTTTIYTSMHGYFVLGRLGCNVEGFS ATLG GEIALWLSLVLAIERWVVVCKPISNFRFGENHAIMGVAFTWFMAAACAVPPLF GWSRYIP EGMQCSCGIDYYTRAEGFNESFVIYMFTCHFCIPLMVVFFCYGRLVCA VKEAAAAQQES ETTQRAEREVTRMVIIMVVSFLVSWVPYASVAWYIFTHQGSEFGP LFMTIPAFFAKSSSI YNPMIYICMNKQFRHCMITTLCCGKNPFEEEEEGASSTASKTEA SSVSSSSVSPA
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**

rho

Synonyms

rho; Rhodopsin

UniProt ID

[Q9YGZ1](#)

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