

Recombinant Full Length Astyanax Fasciatus Green-Sensitive Opsin-3(Rh11) Protein, His-Tagged

Cat. No. RFL6385AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Astyanax fasciatus Green-sensitive opsin-3(RH11) Protein (P51474) (1-354aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Astyanax fasciatus (Blind cave fish) (Astyanax mexicanus)
Source	E.coli
ProteinLength	Full Length (1-354)
Form	Lyophilized powder
AA Sequence	MSG L N G F E G D N F Y I P M S N R T G L V R D P F V Y E Q Y Y L A E P W Q F K L L A C Y M F F L I C L G L P I N G F T L F V T A Q H K K L Q Q P L N F I L V N L A V A G M I M V C F G F T I T I S S A V N G Y F Y F G P T A C A I E G F M A T L G G E V A L W S L V V L A I E R Y I V V C K P M G S F K F S A S H A L G G I G F T W F M A M T C A A P P L V G W S R Y I P E G L Q C S C G P D Y Y T L N P K Y N N E S Y V I Y M F V V H F I V P V T V I F F T Y G R L V C T V K S A A A A Q Q D S A S T Q K A E K E V T R M V I L M V V G F L V A W T P Y A T V A A W I F F N K G A A F T A Q F M A V P A F F S K S S A L F N P I I Y V L L N K Q F R N C M L T T L F C G K N P L G D E E S S T V S T K T E V S T V S S V S P A
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	RH11
Synonyms	RH11; Green-sensitive opsin-3; Green cone photoreceptor pigment 3
UniProt ID	P51474

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