

Recombinant Full Length *Cambarus Maculatus* Rhodopsin(Rho) Protein, His-Tagged

Cat. No. RFL5205CF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Cambarus maculatus</i> Rhodopsin(RHO) Protein (O18315) (1-300aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Cambarus maculatus</i> (Freckled crayfish)
Source	<i>E. coli</i>
ProteinLength	Full Length (1-300)
Form	Lyophilized powder
AA Sequence	LHMIHLHWYQYPPMNPMMYPLLLVFMLITGILCLAGNFVTIWWFMNTKSLRTPANLLV VN LAMSDFLMMFTMFPPMMVTCYYHTWTLGATFCQVYAFLGNLCGCASIWTMVFI TFDRYNV IVKGVAGEPLSTKKASLWILTIWLSITWCIAPFFGWNRYVPEGNTGCGTD YLSIEDILSR SYLYIYSTWVYFLPLAITIYCHVFIIKAVAAHEKGMRDQAKKMGIKSLRN EEAQKTSaec RLAKIAMTTVALWFIawTPYLLINWVGmfARSYLSPVYTIWGYVFAK ANAVYNPIVYAIS
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 for up to one week.

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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; Fragment
UniProt ID	O18315

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