

Recombinant Full Length Chicken Cyclic Nucleotide-Gated Channel Cone Photoreceptor Subunit Alpha Protein, His-Tagged

Cat. No. RFL14170GF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Chicken Cyclic nucleotide-gated channel cone photoreceptor subunit alpha Protein (Q90805) (1-735aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Chicken
Source	E.coli
ProteinLength	Full Length (1-735)
Form	Lyophilized powder
AA Sequence	MAKINTQHSYPGMHGLSVRTTDEDIERIENGFIETHSLCEDTSSSELQRVISMGRHLS GS QTSPFTGRGAMARLSRFVVSLSRWATRHLHHEDQRPDSFLERIRGPELVEVSS RQSNIRS FLGIREQPGGVNGPWPLARFNVNFSNNTNEDKKEEKKEVKEEKKEEKKE EKKEEKKDDKK DDKKDDKKDDKKKEEQKKEVFVIDPSSNMYYNWLTIIAAPVFYNW CMLICRACFDELQID HIKLWLFLDYCSDIIVFDMFVRFRFTGFLEQGLLVKDEKKLRD HYTQTVQFKLDVLSLLP TDLAYLKLGLNYPELRFNRLLRIARLFEFFDRTEETRNYPN MFRIGNLVLYILIIHWNACIYFAISKVIGFGTDSWVYPNVSIPEYGRLSRKYIYSLYWS TLTLTTIGETPPPVKDEEY LFVVIDFLVGVLFATIVGNVGSNMISNMNASRAEFQAKVD SIKQYMHFRKVTKDLEARVI KWFDYLWTNKKTVDEKEVLKNLPDKLKAIAINVHLDL LKKVRIFQDCEAGLLIELVLKL KPTVFSPGDYICKKGDIGREMYIIKEGKLAVVADDGIT

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QFVVLSDGSYFGEISILNIKGS KSGNRRTANIRSIGYSDLFCLSKDDLMEALTEYPEA
KKALEEKGRQILMKDNLIDEEAAK AGADPKDLEEKIDRLETALDTLQTRFARLLAEYS
SSQQKVKQRLARVETRVKKYGSLS VGEPEPEKPPEEQKKD

Purity Greater than 90% as determined by SDS-PAGE.

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 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 Cyclic nucleotide-gated channel cone photoreceptor subunit alpha

Synonyms Cyclic nucleotide-gated channel cone photoreceptor subunit alpha; CNG channel 1; CNG-1; CNG1

UniProt ID [Q90805](#)

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