

Recombinant Full Length Bovine Cyclic Nucleotide-Gated Cation Channel Alpha-3(Cnga3) Protein, His-Tagged

Cat. No. RFL35749BF **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Bovine Cyclic nucleotide-gated cation channel alpha-3(CNGA3) Protein (Q29441) (1-706aa), fused to N-terminal His tag, was expressed in E. coli.

Species Bovine

Source E.coli

ProteinLength Full Length (1-706)

Form Lyophilized powder

AA Sequence

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MAKISTQYSHPTRRTHPSVRTMDRDLDCIENGLSRTHLPCEETSSSELQEGIAMETRGL
AES RQSSFTSQGPTRLSRLIISLRAWSARHLHQEDQRPDSFLERFRGAELQEVSSR
ESHVQFN VGSQEPPDRGRSAWPLARNNTNTCNNSEKDDKAKKEEKEKKEEKEN
PKKEEKKKDSVVM DPSSNMYHWTVIAPVFYFNWCLLVCRAFDELQSEHLMLW
LVLVDYSADILYGMMLVR ARTGFLEQGLMVMASRLWKHYTQTLHFKLDVLSLVPT
DLAYFKLGMNYPELRFNRLKL ARLFEFFDRTETRTNYPNMFRIENLVLYILIIHWN
CIYFAISKFIGFGTDSWVYPNVS NPEYGRLSRKYIYSLYWSTLTLTTIGETPPPVKDE
EYLFVVIDFLVGVLFATIVGNVGS MISNMNASRAEFQAKIDSIKQYMQRKVTKDLET
RVIRWFDYLDWANKKTVDKEVVKSLP DKLKAEIAINVHLDTLRKVRIFQDCEAGLLVE
LVLKLRPAVFSPGDYICKKGDIGREMYI IKEGKLAVVAEDGITQFVVLGDGSGYFGEISI
LNIKGSKSGNRRTANIRSIGYSDLFCLSK DDLMEALTEYPEAKKALEEKGRQILMKD
    
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NLIDEELAKAGADPKDIEEKVEHLETSLDSLQ TRFARLLAEYNATQMKVKQRLSQLE
SQVKMGLPPDGDAPQTEASQP

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 CNGA3

Synonyms CNGA3; CNCG3; Cyclic nucleotide-gated cation channel alpha-3; Cone photoreceptor cGMP-gated channel subunit alpha; Cyclic nucleotide-gated channel alpha-3; CNG channel alpha-3; CNG-3; CNG3

UniProt ID [Q29441](https://www.uniprot.org/entry/Q29441)

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