

Recombinant Full Length Dog Cgmp-Gated Cation Channel Alpha-1(Cnga1) Protein, His-Tagged

Cat. No. RFL460CF **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Dog cGMP-gated cation channel alpha-1(CNGA1) Protein (Q28279) (1-691aa), fused to N-terminal His tag, was expressed in E. coli.

Species

Dog

Source

E.coli

ProteinLength

Full Length (1-691)

Form

Lyophilized powder

AA Sequence

MKKNIIINTWYSFVNIPNVIVPDIEKEIRRMENGARSSFSDDDGDSDSASMFEESNET
 PH ARDSCRNNSQRRDPSQREQYLPGAIALFNVNSSNKEQEPKEKKKKKKEKKSK
 SGDKNEN KKDSEKKKKKEKEKEKKNKEEKGGKDKKEEKKEVMVIDPAGNMYYNWL
 FCITLPVMYNWT MVIARACFDELQSDYLEYWIIFDYLSDIVYLLDMFVRTRTGYLEQG
 LLVREEAKLIEKYK SNLQFKLDFLSVIPTDLYFKLGWNYPEIRLNRLLRISRMFEFFQ
 RTETR TNYPNIFRIS NLVMIYVIIIHWNACVYFSISKAIGFGNDTWVYPDVNDPEFGRL
 ARKYVYSLYWSTLTLT TIGETPPPVRDSEYVYVVDVFLIGVLIFATIVGNIGSMISNMN
 AARAEFQARIDAIKQYM HFRNVSKDMEKRVIKWFDYLWTNKKTVDEKEVLKYLDPK
 LRAEIAINVHLDTLKKVRIFA DCEAGLLVELVLKLQPQVYSPGDYICKKGDIGREMYIIK
 EGKLAVVADDGITQFVVLSDG SYFGEISILNIKGSKAGNRRTANIKSIGYSDFCLSKD
 DLMEALTEYPDAKTMLEEKGKQ ILMKDGLLDINIANAGSDPKDLEEKVTRMEGSVDL
 LQTRFARILAEYESMQQKQRLTK VERFLKPIIDTEFSALEGTGDESRLDSTQD

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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 multiple 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	CNGA1
Synonyms	CNGA1; CNCG; CNCG1; cGMP-gated cation channel alpha-1; Cyclic nucleotide-gated cation channel 1; Cyclic nucleotide-gated channel alpha-1; CNG channel alpha-1; CNG-1; CNG1; Cyclic nucleotide-gated channel, photoreceptor; Rod photoreceptor cGMP-gated channel
UniProt ID	Q28279

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