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

Cat. No. RFL32886HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human cGMP-gated cation channel alpha-1(CNGA1) Protein (P29973) (1-690aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Full Length (1-690)
Form	Lyophilized powder
AA Sequence	MKLSMKNNIINTQQSFVTMPNVIVPDIEKEIRRMENGACSSFSEDDDSASTSEESEN ENP HARGSFSYKSLRKGGPSQREQYLPGAIALFNVNNSSNKDQEPEEKKKKKKEK KSKSDDKN ENKNDPEKKKKKKDKEKKKKEEKSKDKKEEEKKEVVVIDPSGNTYYN WLFCITLPVMYNW TMVIARACFDELQSDYLEYWLILDYVSDIVYLIDMFVRTRTGYLE QGLLVKEELKLINKY KSNLQFKLDVLSLIPTDLLYFKLGWNYPEIRLNRLLRFSRMFEF FQRTETRTNYPNIFRI SNLVMYIVIIIHWNACVFYSISKAIGFGNDTWVYPDINDPEFG RLARKYVYSLYWSTLTL TTIGETPPPVRDSEYVFVVVDFLIGVLIFATIVGNIGSMISN MNAARAEFQARIDAIKQY MHFRNVSKDMEKRVIKWFDYLWTNKKTVDEKEVLKYLP DKLRAEIAINVHLDTLKKVRIF ADCEAGLLVELVLKLQPQVYSPGDYICKKGDIGREM YIIKEGKLAVVADDGVTQFVVLSD GSYFGEISILNIKGSKAGNRRTANIKSIGYSDLFC LSKDDLMEALTEYPDAKTMLEEKGK QILMKDGLLDLNIANAGSDPKDLEEKVTRME GSVDLLQTRFARILAEYESMQQKLKQRLT KVEKFLKPLIDTEFSSIEGPGAESGPIDS

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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.
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℃/-80℃. 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 channe
UniProt ID	P29973

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