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

Cat. No. RFL36521MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Mouse cGMP-gated cation channel alpha-1(Cnga1) Protein (P29974) (1-684aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Full Length (1-684)
Form	Lyophilized powder
AA Sequence	MKTNIINTWHSFVNIPNVIVPAIEKEIRRMENGACSSFSDDDNGSLSEESENEDSFFR SN SYKRRGPSQREQHLPGTMALFNVNNSSNKDQEPKEKKKKKKEKKSKADDKNE NKKDPEKK KKKEKEKEKKKKEEKTKEKKEEEKKEVVVIDPSGNTYYNWLFCITLPVM YNWTMIIARAC FDELQSDYLEYWLIFDYVSDVVYLADMFVRTRTGYLEQGLLVKDR MKLIEKYKANLQFKL DVLSVIPTDLLYIKFGWNYPEIRLNRLLRISRMFEFFQRTETRT NYPNIFRISNLVMYIV IIIHWNACVYYSISKAIGFGNDTWVYPDVNDPEFGRLARKYVY SLYWSTLTLTTIGETPP PVLDSEYIFVVVDFLIGVLIFATIVGNIGSMISNMNAARAEFQ SRVDAIKQYMNFRNVSK DMEKRVIKWFDYLWTNKKTVDEREVLRYLPDKLRAEIAIN VHLDTLKKVRIFADCEAGLL VELVLKLQPQVYSPGDYICKKGDIGREMYIIKEGKLAV VADDGITQFVVLSDGSYFGEIS ILNIKGSKAGNRRTANIKSIGYSDLFCLSKDDLMEAL TEYPDAKTMLEEKGRQILMKDGL LDINIANMGSDPKDLEEKVTRMEGSVDLLQTRFA RILAEYESMQQKLKQRLTKVEKFLKP LIETEFSALEEPGGESELTESLQD

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	P29974

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