

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	MKTNIINTWHSFVNIPNVIVPAIEKEIRRMENGACSSFSDDDNGSLSESENEDESFRR SN SYKRRGPSQREQHLP GTMALFNVNNSN KDQEPKEKKKKKKKEKSKADDKNE NKKDPEKK KKKEKEKEKKKKKEEKTKEKKEEEKKEVVVIDPSGNTYYNW LFCITLPVM YNWTMIARAC FDELQSDYLEYWLIFDYVSDVVYLADM FVRTRTGYLEQGLLVKDR MKLIEKYKANLQFKL DVLSVIPTDLLYIKFGWNYPEIRLNRLLRISRMFEFFQRTETRT NYPNIFRISNLVMIYIV IIIHWNACVYYSISKAIGFGNDTWVYPDVNDPEFGRLARKYVY SLYWSTLTLT TIGETPP PVLDSEYIFVVVD FLIGVLIFATIVGNIGSMISNMNAARAEFQ SRVDAIKQYMNFRNVSK DMEKRVIKWFDYLW TNKKTVDEREVLRYLPDKLR AEIAIN VHLDTLKKVRIFADCEAGLL VELVLKLQPQVYSPGDYICKKGDIGREMYIIEGK LAV VADDGITQFVVLSDGSYFGEIS ILNIK GSKAGNRRTANIKSIGYSDFCLSKDDLMEAL TEYPD AKTMLEEKGRQILMKDGL LDINIANMGSDPKDLEEKVTRMEGSVDLLQTRFA RILAEYESMQQKLKQRLTKVEKFLKP LIETEFSALEEPGGESELTESLQD

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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°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 channe
UniProt ID	P29974

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