

Recombinant Full Length Rat Cyclic Nucleotide-Gated Cation Channel Alpha-4(Cnga4) Protein, His-Tagged

Cat. No. RFL23742RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat Cyclic nucleotide-gated cation channel alpha-4(Cnga4) Protein (Q64359) (1-575aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Full Length (1-575)
Form	Lyophilized powder
AA Sequence	MSQDGKVKTTTESTPPAPTARKWLPVLDPSGDYYYWWLNTMVFPIMYNLIIVVCRA CFPD LQHSYLVAVFVLDYTSDLLYLLDIGVRFHTGFLEQGILVVDKGMASRYVRTW SFLDLA SLVPTDAAYVQLGPHIPTLRNLNRLRVPRLF EAFDRTETRTAYPNAFRIAK LMLYIFVVI HWNSCLYFALSRYLGFG RDAWVYPDPAQPGFERLRRQYLYSFYFSTLI LTTVGDTPLPDR EEEYLFMVGD FLLAVMGFATIMGSMSSVIYNMNTADAAFPDHA LVKKYMKLQHV NKRLE RRVIDWYQHLQINKKMTNEVAILQHLPERLRAEVA VSVHLS TL SRVQIFQNC EASLLEEL VLKLQPQTYS PGEYVCRKGDIGREMYI IREGQLAVVAD DGVTQYAVLGAGLYFGEISIIN IKGNMSGNRRTANIKSLGYSDFCLSKEDLREVLSE YPQAQAVMEEKGREILLKMNKLDV NAEAAEIALQEATESRLKGLDQQLDDLQTKFA RLLAELESSALKIAYRIERLEWQTREWP MPEDMGEADDEAEPGEGTSKDGEGKAG QAGPSGIE
Purity	Greater than 90% as determined by SDS-PAGE.

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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	Cnga4
Synonyms	Cnga4; Cgn2; Cyclic nucleotide-gated cation channel alpha-4; Cyclic nucleotide-gated channel alpha-4; CNG channel alpha-4; CNG-4; CNG4; Cyclic nucleotide-gated olfactory channel subunit OCNC2
UniProt ID	Q64359

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