

Recombinant Full Length Arabidopsis Thaliana Probable Cyclic Nucleotide-Gated Ion Channel 5(Cngc5) Protein, His-Tagged

Cat. No. RFL36171AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Arabidopsis thaliana Probable cyclic nucleotide-gated ion channel 5(CNGC5) Protein (Q8RWS9) (1-717aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Arabidopsis thaliana
Source	E.coli
ProteinLength	Full Length (1-717)
Form	Lyophilized powder
AA Sequence	MAGKRENFVRVDDLD SRLPSSSVAFQQNYASNFSGQLHPIHASNETSRSFKKGIQK GSKG LKSIGRSLGFGVYRAVFPEDLVSEKKIFDPQDKFLLYCNKLFVASCILSVFVD PFFFFYL PVINAESKCLGIDRKLAITASTLRTFIDVFYLAHMALQLRTAYIAPSSRVFGR GELVIDP AQIAKRYLQRWFIIDFLSVLPLPQIVVWRFLQSSNGSDVLATKQALLFIVLV QYIPRFLR VLPLTSELKRTAGVFAETA WAGAAYYLLYMLASHIVGAFWYLLALERN DACWQEACIDA GNCSTDFLYCGNQNM DGYAVWNRAKESVLKSKCRADLDDNNPP FDFGIYTQALSSGIVSS QNFIVKYCYCLWWGLQNLSTLGQGLETSTYPM EII FSI SLAI SGLILFALLIGNMQTYLQ SLTIRLEEMRVKRRDSEQWMHHRMLPQDLRERVRRYDQ YKWLETRGVDEEYLVQNLPKDL RRDIKRHLCLALVRRVPLFKSMDDKLLDAICMR LK PCLFTESTYLVREGDPVDEMLFIIR GRLESVTTDGGRSGFFNRSLLKEGEFCGEELL

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TWALDPKSGVNLPSSTRTVKALTEVEAF ALTSEELKFVASQFRRLHSRQVQHTFRF
YSHQWRTWAACFIQAAWRRYCKRKKMEEAEAE AAVSSSTAGPSYSIGAAFLATK
FAANALRTIHRNRNTKIRDVLVKLQKPPEPDFTAD

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 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 CNGC5

Synonyms CNGC5; At5g57940; MTI20.20; Probable cyclic nucleotide-gated ion channel 5; AtCNGC5; Cyclic nucleotide- and calmodulin-regulated ion channel 5

UniProt ID [Q8RWS9](#)

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