

Recombinant Full Length Arabidopsis Thaliana Probable Cyclic Nucleotide-Gated Ion Channel 14(Cngc14) Protein, His-Tagged

Cat. No. RFL1513AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Arabidopsis thaliana Probable cyclic nucleotide-gated ion channel 14(CNGC14) Protein (Q9SJA4) (1-726aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Arabidopsis thaliana
Source	E.coli
ProteinLength	Full Length (1-726)
Form	Lyophilized powder
AA Sequence	MEFKRDNTVRFYGDEKQTIEVGEKRVPLFKSTTAPFMKQEVLPKKSCTRLKIPRFGFR FKV FPENFEIERDKILDPGGDAVLQWNRVFLFWCLVALYVDPLFFFLSSVKRIGRSS CMTTDL KLGIVITFFRTLADLFYVLHIVIKFRTAYVSRTSRVFGRGELVKDPKLIARRYL RSDFIV DLIACLPLPQIVSWFILPSIRSSHSDHTTNALVLIVLVQYIPRLYLIFPLSAEIIK ATGV VTTTAWAGAAYNLLQYMLASHILGSAWYLLSIERQATCWKAECHKESVPLQC VTDFFD CG TLHRDDRNNWQNTTVVFSNCDPSNNIQFTFGIFADALTKNVVSSPFLE KYLCLWFG LQN LSSYGQNLSTSTSVLETMFAILVAIFGLVLFALLIGNMQTYLQSITV RLEEWRLKRRDTE EWMGHRLLPQNLRRERVRRFVQYKWLATRGVDEETILHSLPAD LRRDIQRHLCLDLVRRVP LFAQMDDQLLDAICERLASSLSTQGNIVIVREGDPVTEML FIIRGKLESSTTNGGRTGFFN SITLRPGDFCGEELLAWALLPKSTVNLPSSSTRTVRAL

 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

EEVEAFALQAGDLKFVANQFRRL HSKKLQHTFRYYSHQWRTWAACFVQVAWRRY
KRKKLAKSLSLAESFSSYDEEEAVAVAAT EEMSHEGEAQSGAKARHHTSNVKPHFA
ATILASRFKNTTRRTAHKLKDVEIPMLPKPDEP DFSVDD

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 CNGC14

Synonyms CNGC14; At2g24610; F25P17.9; Probable cyclic nucleotide-gated ion channel 14; Cyclic nucleotide- and calmodulin-regulated ion channel 14

UniProt ID [Q9SJA4](#)

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