

Recombinant Full Length Arabidopsis Thaliana Cyclic Nucleotide-Gated Ion Channel 4(Cngc4) Protein, His-Tagged

Cat. No. RFL2920AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Arabidopsis thaliana Cyclic nucleotide-gated ion channel 4(CNGC4) Protein (Q94AS9) (1-694aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Arabidopsis thaliana
Source	E.coli
ProteinLength	Full Length (1-694)
Form	Lyophilized powder
AA Sequence	MATEQEFTRASRFSRDSSSVGYSEEDNTEEEDEEEEEEMEEIEEEEEEEEEEDPRI GLTC GRRNGSSNNNKWMMMLGRILDPRSKWVREWNKVLLVCATGLFVDPLFLYT LSVSDTCMC LLVDGWLALTVTALRSMTDLLHLWNIWQFKIARRWPYPGGSDSDGT NKGGGTRGSTRVA PPYVKKNGFFFDLFVILPLPQVVLWVVIPSLKRGSVTLVVSVL LVTFLFQYLPKIYHSI RHLRRNATLSGYIFGTVWWGIALNMIAYFVAHAAGACWYLL GVQRSACKLKEQCENTIG CDLRMLSCKEPVYYGTTVMVLDRARLAWAQNHQARSV CLDINTNYTYGAYQWTIQLVSSE SRLEKILFPIFWGLMTLSTFGNLESTTEWSEVFN IIVLTSGLLLVTMLIGNIKVFLHAT TSKKQAMHLKMRNIEWWMKKRHLPIGFRQVRN YERQRWAAMRGVDECEMVQNLPEGLRR DIKYHLCLDLVRQVPLFQHMDLVLNI CDRVKSLIFTKGETIQKEGDAVQRMFLFVVRGH LQSSQLLRDGVKSCCMLGPGNFS GDELLSWCLRRPFVERLPPSSSTLVTLETTEAFGLDA EDVKYVTQHFRYTFVNEKV

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	KRSARYYSPGWRTWAAVAVQLAWRRYKHRLTLTSLSFIRPR RPLSRCASLGEDKL RLYAAILTSPKPNPDDFDDY
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	CNGC4
Synonyms	CNGC4; HLM1; At5g54250; MDK4.7; Cyclic nucleotide-gated ion channel 4; AtCNGC4; Cyclic nucleotide- and calmodulin-regulated ion channel 4; AtHLM1
UniProt ID	Q94AS9