

Recombinant Full Length Arabidopsis Thaliana Probable Calcium-Activated Outward-Rectifying Potassium Channel 5, Chloroplastic(Kco5) Protein, His-Tagged

Cat. No. RFL2687AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Arabidopsis thaliana Probable calcium-activated outward-rectifying potassium channel 5, chloroplastic(KCO5) Protein (Q9S6Z8) (22-408aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Arabidopsis thaliana
Source	E.coli
ProteinLength	Full Length of Mature Protein (22-408)
Form	Lyophilized powder
AA Sequence	SSSSASITIPRSISNTSFFHEISQERLLLHHQDLEQSVQDDKEDQDSDSDETNRFLS QT RPLHRSRTAPAMVVIKDLRTKPPETKKPSPVSKSIIRQAIFLLIVYLT LGVSIYSFNR DH YSGIETHPVVDALYFCIVTMCTIGYGDIAPLTPWTKIFAVVFVLF GFGFLDILLSGV VNY VLDLQESMILTGIQTRQHHQH HHHHRFS AKDYIIDFEKGRMRIRMKVCLALCVV VLCIGV GALVLHFVEELGFVDSVYLSVMSVTTVGYGDRAFKTLQGRLFAAVWLLVST LAVARAFly LAEARIDRRHRKAVKLALNREITVDDLLKADTYQHGFISKSEYIVLKLKE MGKITQKDID QVVIQFEKLDPNQIGKITLPDLLGDPL
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C

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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

TPK5

Synonyms

TPK5; KCO5; At4g01840; T7B11.10; Two-pore potassium channel 5; AtTPK5; Calcium-activated outward-rectifying potassium channel 5, chloroplastic; AtKCO5

UniProt ID

[Q9S6Z8](#)

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