

Recombinant Full Length Arabidopsis Thaliana Probable Calcium-Activated Outward-Rectifying Potassium Channel 2(Kco2) Protein, His-Tagged

Cat. No. RFL8439AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Arabidopsis thaliana Probable calcium-activated outward-rectifying potassium channel 2(KCO2) Protein (Q9FL25) (1-443aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Arabidopsis thaliana
Source	E.coli
ProteinLength	Full Length (1-443)
Form	Lyophilized powder
AA Sequence	MANDGNGDNNDDPLRQYLMNPRINPPPPSLTLPENNDVTIPMPITPLELKNRLIFGS FV RSRKESSLPIDALSQNPSTSSSATTSFSDSTDLLLPLTEPNKPVRKSKPTINFHRS KTAP AMAAINNISHPNDPKTDQQSDSKTIVNQAVALLVVYLSLGVLIYWLNRD SYN KQTHPVV DALYFCIVTMCTIGYGDITPDSVVTKLFSIFFVLVGFGFMDILLSGMVTVL DLQENYML ETARNESLNLNDRDKVRSYIIDVKKGRMRIRLKVGLALGVVVLCLGFGV LIMHFVEKIGW LDSFYFSVMSVTTVGYGDRFNTLAGRLLAAMWLLVSTLAVARAIL FLAESRVDKRNRRER AKKVLGESMSISQFLDADIDCNGCVSKAEFVIYKLLKMDKITE KDINPIGFQFDKLDRTN SGRITLLDLLESSTKDLPTATSI
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	TPK2
Synonyms	TPK2; KCO2; At5g46370; MPL12.17; Two-pore potassium channel 2; AtTPK2; Calcium-activated outward-rectifying potassium channel 2; AtKCO2
UniProt ID	Q9FL25

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