

Recombinant Full Length Arabidopsis Thaliana Potassium Channel Kat3(Kat3) Protein, His-Tagged

Cat. No. RFL35882AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Arabidopsis thaliana Potassium channel KAT3(KAT3) Protein (P92960) (1-662aa), fused to N-terminal His tag, was expressed in E. coli.

Species

Arabidopsis thaliana

Source

E.coli

ProteinLength

Full Length (1-662)

Form

Lyophilized powder

AA Sequence

MSTTTTEARSPLPLLLRRGRSSTALSASTAEARSPLSILQFRRRSSKDVRNITSVSSS
 LL PAFGTFIEDDNPSSKPFIVLHFDRRYRLWELFLVILVGYSAWASLFELAFEKAAEG
 ALLT IDLVVDFFFVAVDIILTFVSYLDNTTYLNVTDHKLIAKRYLKSVAFVMDVASTLPI
 QFIY KTITGDVGRGQAFGFLNLLRLWRLRRVAELFKRLEKDAHFNYFVIRVIKLLCVTI
 FWIHL AGCILYWIAYHYRPTDTWIGSQVEDFKERSVWLGTYTSMYWSIVTLTTVGY
 GDLHAVNS REKTFNMFYMLFNIGLTSYIIGIMTNLVVHGALRTFAMRSAINDILRYTSK
 NRLPDTMRE QMLAHMQLKFKTAELRQEEVLQDLPKAIRSSINQHLFRSIIIEAYLFKG
 FPEGLLVQLVS QIQAEYFPPKMEIILQNEIPTDFYVIVSGGVDIASKGVSEQVLAKLG
 PGSMAGEIGVVF NIPQPFTVRTRRLSQVIRIGHHKFKEMVQSDNDVDKMIIANFMT
 YLKGLNDELKKEIPF LRDLLDDADAQVQETVQSEETPQSNDEEIVTVSRHENGQIEE
 RRREGVPKRVIIHGQAPP NQDNKNGDSNGRLIILPDSIQLLFDLAEKKGKRGSTIA
 MADGAHVEQIDALRENDHLY IF

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Purity	Greater than 90% as determined by SDS-PAGE.
Applications	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	KAT3
Synonyms	KAT3; AKT4; KC1; At4g32650; F4D11.150; Potassium channel KAT3; AtKC1; Potassium channel TKC
UniProt ID	P92960

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