

Recombinant Full Length Oryza Sativa Subsp. Japonica Two Pore Potassium Channel A(Tpka) Protein, His-Tagged

Cat. No. RFL18920OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Oryza sativa subsp. japonica Two pore potassium channel a(TPKA) Protein (Q850M0) (1-347aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rice
Source	E.coli
ProteinLength	Full Length (1-347)
Form	Lyophilized powder
AA Sequence	MDDNSIQQSLLADNPVLRKPSEGVNRRRCRSTPSTDPLQGPPEKGSSVKAKEL FKEM RPSFRLVGLLLFIYLLVGVLAFYAVMDEISGKRTNRVLDALYFCVVTMTTVGY GDLVPNN DTTKLLACAFVFMGMVVALFVSKVADYLVEKQEVFFKALHTNLKGGE TKMLRAIETNR IKYKFYTNALLLVLSIISGTVFLWKVEKLSLVDSFYCVCATITTLGYGD KSFSSKLGRVF AVFWIITSTIIMAQFFMYLAEIYTERRQKMLANWVLTRKMTKMDLEA ADLDDDRQVGAAE FVVYKLKELGKINQEEISSFLEEFKLDVDHSGTLSPYDLTLAQ SAQ
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.

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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	TPKA
Synonyms	TPKA; KCO1; Os03g0752300; LOC_Os03g54100; OJ1112_G08.7; OsJ_12594; OSJNBa0032E21.10; OSJNBa0047E24.7; Two pore potassium channel a; Two K(+ channel a; Calcium-activated outward-rectifying potassium channel 1; OsKCO1
UniProt ID	Q850M0