

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

Cat. No. RFL32676OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Oryza sativa subsp. japonica Two pore potassium channel b(TPKB) Protein (Q8LIN5) (1-349aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rice
Source	E.coli
ProteinLength	Full Length (1-349)
Form	Lyophilized powder
AA Sequence	MAALDQQPLLHDGGDQKPPPEGAARRFRRCRTAPSSEPPTDKDNSSAADAPPKT LFTGG GRPSFRLVGLLLVAYLLLGTIAFYLAMDHMSGTRTTRALDALYFCVVTMTTV GYGDLVPA SDAAKLLACAFVFAGVAVVGTFLSKAADYLVEKQEALLFRALHSHTMV RAMEMNKVRYKL YTAGLLLVAASGTVVLWKVEGMRAVDAFYCVCATVTTLGYG DRSFSSEGGRAFAVAWI TVSTVVVALFFLYAAELYTERRQRELARWVLRRTTNMD LEAADLDGDHRVGAADFVLYK LKELGKISQEDISEFLDEFDNLDADHSGTLPADLA AAQPTPDPPPSLR
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	TPKB
Synonyms	TPKB; KCO2; Os07g0108800; LOC_Os07g01810; OJ1567_G09.108; OsJ_22819; P0585H11.123; Two pore potassium channel b; Two K(+) channel b; Calcium-activated outward-rectifying potassium channel 2; OsKCO2
UniProt ID	Q8LIN5