

Recombinant Full Length *Oryza Sativa* Subsp. *Japonica* Putative Potassium Channel Kat5(Os04G0117500, Loc_Os04G02720) Protein, His-Tagged

Cat. No. RFL10742OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Oryza sativa</i> subsp. <i>japonica</i> Putative potassium channel KAT5(Os04g0117500, LOC_Os04g02720) Protein (Q7XT08) (1-368aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	Rice
Source	<i>E. coli</i>
ProteinLength	Full Length (1-368)
Form	Lyophilized powder
AA Sequence	MAARSELLRSAFGKASPSLGWFIVNPHRYSYRWWHMFIMLVLYSAWASPFELSME KAAS IALVVIRPSGRCLLRHRHCHILLRHLVTGKRQGLWGLLNLLRLWRLRCASKLF ARVEKDV RFSYLWTRLIKLLCVTLFALHFAACIYLWMVFNYKIKELTWIGSQIHSFED RSVWFCYTC AVYWSITTLATVGYGDLHATNIGEMLFSAFMLFNMGLTSYIIGNITNL VVRETSNTFKM RDMVQWVSEFGSMNRLPEVMREQMLANGQLRFRTKEQLQHEH VKRIGPRGMVGEIGVMFS IPQPFTIRSRRLTQVVRISHIHLLQAVRPNTADGCIVFSN FILVSDFVEYLESLKVQTKE VAFVSGHL
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	Os04g0117500
Synonyms	Os04g0117500; LOC_Os04g02720; OsJ_13587; OSJNBb0050O03.14; Putative potassium channel KAT5
UniProt ID	Q7XT08