

Recombinant Full Length *Oryza Sativa* Subsp. *Japonica* Potassium Channel Kat2(Os01G0210700, Loc_Os01G11250) Protein, His-Tagged

Cat. No. RFL25417OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Oryza sativa</i> subsp. <i>japonica</i> Potassium channel KAT2(Os01g0210700, LOC_Os01g11250) Protein (Q5QNI1) (1-601aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	Rice
Source	<i>E. coli</i>
ProteinLength	Full Length (1-601)
Form	Lyophilized powder
AA Sequence	METISNIFHNDPLPPLGARANQSIKLRKFIISPYDSRYRTWETLLVLVVYSAWICPFE L AYLRNLSWKVSLVDNIIDSFFAIDIILTFFLAYLDQKSYLLVDDPKRIVARYFSSWFLF D VCSTIPYQLLGQIFKKHENGLAYRLLSMLRLWRLRRLSELFARLEKDIRLNYYWIRC TKL ISVTLFAVHCSGCFNYLIADRYPNPARTWIGAAIPNYRSQNLWVRYVTAIYWSIT TLTTT GYGDLHAENQREMLFSICYMLFNLGLTAYLIGNMTNLVVQGSCRTNRFRDTI HAASQFAA RNQLPGHIKDEMLSHICLRYKTEGLKQKETLDSLPGKIRSSACNLFLPV IEKVYLFHGV SFTCMIQLVTEMEA EYYPPEVVILQNEAPRDVYILVSGAVEERVEID GTEKVQEVLCNG EIFGEIGVIC SIPQPCAFHTIKVSQLLRLNTAVLKNIKENSDDRRVI LNNLSQKMNQDH RFSTEVMEKSLQMMHQHFGEYNRCSALNQDNEKNEKANNNGH SMALEWKRVTIHMYSQRN KRPEAPLAKVINLPGSLDKLFAIACQKFNNYRLTKLVNP

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	EFAEIDDITVIRDGDHLFFME I
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.
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	Os01g0210700
Synonyms	Os01g0210700; LOC_Os01g11250; P0031E09.16; P0466B10.26; Potassium channel KAT2
UniProt ID	Q5QNI1

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