

Recombinant Full Length *Oryza Sativa* Subsp. *Japonica* Potassium Channel Kor2(Os04G0445000, Loc_Os04G36740) Protein, His-Tagged

Cat. No. RFL10280OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Oryza sativa</i> subsp. <i>japonica</i> Potassium channel KOR2(Os04g0445000, LOC_Os04g36740) Protein (Q7XUW4) (1-719aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	Rice
Source	<i>E. coli</i>
ProteinLength	Full Length (1-719)
Form	Lyophilized powder
AA Sequence	MAEEYELNEIDDTLHGSGVSRSLSFARELKSRRSSSWHGGTALRLPKDLYESLVIHP NGR WYRIWANMMFLWSIYSTFFTPFEFSFFRGLPDQLLDLECVQLVFLADVAVHFF LAYRDPH TYRMVHDKRHIALRYIKGSFALDVLGCFPWDAIYKVTGRVEAVRWLVVW RLYRGRKVMFAF FKRVEKDIRVSYLLTRIVKLITVELYCTHTAACGFYYLATTLPARE GGTWIGSLSLGDA RYINFREVDLLTRYVTSLYLAIVTMATVGYGDIHAVNTREMAFT VVYISFSIVLSAYLIG NMTALIVKGSRTFRDRMTDLIRYMNRNRLGSAIRSQVKDH LMLQYESSYTRDRVIVDD IPVAVRSKMSQTLYLDMVSRVGLFRGCSDDFLSQIVLKL HEEFFLPGEVILEQGTVVDQI YIVAHGCLEEVANGEDGSEEIISELRPYGIVGDVAVIC NIPQPYTVRVCELCSLLRIDKQ SLTSILQIYFKDNSQILSNLLKGKETESKRKQLES DIT YLLAKQESELVLGVNNAAYHGD IFRLKSLISAGADPSKSDYDGRTALHIAALRGYENI

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VRFLIQRGANVNSIDRFGNSPLLQ AVKSGHDRITSLLEVEHGAILNLEDAGGYLCRVV
 RGGRIDLLKKLLRFGISPNCRNQDQRT PLHIAAAEGLHLVASTLIESGADIQAKDRWG
 NTPLDEGRRCSSKPLVRILEQARTVATN

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 multiple 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 Os04g0445000

Synonyms Os04g0445000; LOC_Os04g36740; OSJNBa0027P08.8; Potassium channel KOR2; K(+ outward-rectifying channel 2

UniProt ID [Q7XUW4](#)

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