

Potassium channel KOR2 (LOC4335955), Recombinant Protein

Cat *RP11040*

Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

Species

Oryza sativa subsp. *japonica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Potassium channel KOR2 (Os04g0445000, LOC_Os04g36740)

Product Gene Name

LOC4335955 recombinant protein

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

MAEEYELNEI DDTLHGSGVGS RLSLFARELK SRRSSSWHGG TALRLPKDLY ESLVIHPNGR WYRIWANMMF
LWSIYSTFFT PFEFSFFRGL PDQLLDLECV QLVFLADVAV HFFLAYRDPH TYRMVHDKRH IALRYIKGSF
ALDVLGCFPW DAIYKVTGRV EAVRWLVWVR LYRGRKVMFA FKRVEKDIRV SYLLTRIVKL ITVELYCTHT
AACGFYYLAT TLPPAREGGT WIGSLSLGDA RYINFREVDL LTRYVTSLYL AIVTMATVG Y GDIHAVNTRE
MAFTVVYISF SIVLSAYLIG NMTALIVKGS RTERFRDRMT DLIRYMNRNR LGSAIRSQVK DHLMLQYESS
YTRDRVIVDD IPVAVRSKMS QTLYLDMVSR VGLFRGCSDD FLSQIVLKLH EEFFLPGEVI LEQGTVDQI
YIVAHGCLEE VANGEDGSEE IISELRPYGI VGDVAVICNI PQPYTVRVCE LCSLLRIDKQ SLTSILQIYF
KDNSQILSNL LKGKETESKR KQLESDITYL LAKQESSELV GVNNAAYHGD IFRLKSLISA GADPSKSDYD
GRTALHIAAL RGYENIVRFL IQRGANVNSI DRFGNSPLLQ AVKSGHDRIT SLLVEHGAIL NLEDAGGYLC
RVVRGGRIDL LKKLLRFGIS PNCRNVDQRT PLHIAAAEGL HLVASTLIES GADIAKDRW GNTPLDEGRR
CSSKPLVRIL EQARTVATN

Sequence Positions

1-719aa; full length protein

Format

Liquid containing glycerol

Host

Cell Free Expression

Molecular Weight

49,024 Da

Storage

Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Protein Family

Potassium channel

NCBI Accession

XP_015636107.1

NCBI GI

1002263514

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GenBank Nucleotide

XM_015780621.1

NCBI GeneID

4335955

NCBI Official Full Name

potassium channel KOR2

NCBI Official Symbol

LOC4335955

NCBI Protein Information

potassium channel KOR2; K(+) outward-rectifying channel 2; LOC_Os04g36740; OSJNBa0027P08.8; Os04g0445000; putative potassium cation channel

UniProt Gene Name

Os04g0445000

UniProt Protein Name

Potassium channel KOR2

UniProt Synonym Protein Names

K(+) outward-rectifying channel 2

UniProt Entry Name

KOR2_ORYSJ

UniProt Primary Accession

Q7XUW4

UniProt Secondary Accession

Q0JCX5; B7EY26

UniProt Related Accession

Q7XUW4

UniProt Comments

Probable outward-rectifying potassium channel.

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