

# Recombinant Full Length Guinea Pig Inward Rectifier Potassium Channel 2(Kcnj2) Protein, His-Tagged

Cat. No. RFL13742CF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Guinea pig Inward rectifier potassium channel 2(KCNJ2) Protein (P52185) (1-427aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Guinea pig
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full Length (1-427)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	<p>MGSVRTNRYISVSSEEDGMKLATMAVANGFGNGKSKVHTRQQCRSRFVKKDGH  NVQFIN VGEKGQRYLADIFTTCVDIRWRWMLVIFCLAFVLSWLVFFGCVFWLIALLHG  DLDASKESK ACVSEVNSFTAFLFSIETQTTIGYGFRVCVTDECPVAVFMVVFQSIVGC  IIDAFIIGAVM AKMAKPKKRNETLVFSHNAVIMRDGKLCLMWRVGNLRKSHLVEAH  VRAQLLSRITSEG EYIPLDQIDINVGFDSDGIDRIFLVSPITIVHEIDEDSPLYDLSKQDI  DNADFEIVVILEG MVEATAMTTQCRSSYLANEILWGHRYEPVLFEEKHYYKVDYSRF  HKTYEVPNTPLCSARD LAEKKYILSNANSFCYENEVALTSKEEDDSENGVPESTSTD  TPPDIDLHNQASVPLEPRP LRRESEI</p>
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Applications</b>	SDS-PAGE

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<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
<b>Reconstitution</b>	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

<b>Gene Name</b>	KCNJ2
<b>Synonyms</b>	KCNJ2; IRK1; Inward rectifier potassium channel 2; Cardiac inward rectifier potassium channel; Inward rectifier K(+) channel Kir2.1; IRK-1; Potassium channel, inwardly rectifying subfamily J member 2
<b>UniProt ID</b>	<a href="#">P52185</a>

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