

# Recombinant Full Length Rat Potassium Voltage-Gated Channel Subfamily A Member 2(Kcna2) Protein, His-Tagged

Cat. No. RFL23357RF Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Full Length Rat Potassium voltage-gated channel subfamily A member 2(Kcna2) Protein (P63142) (1-499aa), fused to N-terminal His tag, was expressed in E. coli.

**Species** Rat

**Source** E.coli

**ProteinLength** Full Length (1-499)

**Form** Lyophilized powder

**AA Sequence**

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MTVATGDPVDEAAAALPGHPQDTYDPEADHECCERVVINISGLRFETQLKTLAQFPET
LLG DPKKRMRYFDPLRNEYFFDRNRPSFDAILYYYQSGGRLRRPVNVPLDIFSEEIR
FYELGE EAMEMFREDEGYIKEEERPLPENEFQRQVWLLFEYPESSGPARIIAIVSVM
VILISIVSF CLETLPIFRDENEDMHGGGVTFHTYSNSTIGYQQSTSFTDPFFIVETLCII
WFSFEFLVR FFACPSKAGFFTNIMNIIDIVAIIPYFITLGTSLAEKPEDAQQGQQAMSL
AILRVIRLVR VFRIFKLSRHSKGLQILGQTLKASMRELGLLIFLFIGVILFSSAVYFAEA
DERDSQFPS IPDAFWWAVVSMTTVGYGDMVPTTIGGKIVGSLCAIAGVLTIALPVPVI
VSNFNIFYHRE TEGEEQAQYLQVTSCPKIPSSPDLKKSRSASTISKSDYMEIQEGVN
NSNEDFREENLKTA NCTLANTNYVNITKMLTDV
    
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**Purity** Greater than 90% as determined by SDS-PAGE.

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<b>Applications</b>	SDS-PAGE
<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 mutiple 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.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Kcna2
<b>Synonyms</b>	Kcna2; Potassium voltage-gated channel subfamily A member 2; RAK; RBK2; RCK5; Voltage-gated potassium channel subunit Kv1.2
<b>UniProt ID</b>	<a href="#">P63142</a>

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