

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

**Cat. No.** RFL21945XF    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Recombinant Full Length *Xenopus laevis* Potassium voltage-gated channel subfamily A member 2(kcna2) Protein (P22739) (1-499aa), fused to N-terminal His tag, was expressed in *E. coli*.

**Species**                      *Xenopus laevis*

**Source**                        *E. coli*

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

**Form**                            Lyophilized powder

**AA Sequence**

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MTVATGDLTDGSGVFAGHPQDSYDPEPDHECCERVVINISGLRFETQLKTLTSQFPET
LLG DPKKRMRYFDPLRNEYFFDRNRPSFDAILYFYQSGGRLRRPVNVPLDIFSEEIR
FYELGE EAMEIFREDEGFIKEEERLPDNEFQKQVWLLFEYPESSGPARIIAISVTVIL
ISIVSF CLETLPVFRDENEDMHGSGGNYSYPNSTVRFQKSNTFTDPFFIVETLCIIW
FSFEFLVR FLACPSKAVFFTNLMNIIDIVAIPYFITLGTSLAEKTEDGQQGQQAMSLAI
LRVIRLVR VFRIFKLSRHSKGLQILGQTLNASMRELGLLIFFLFIGVILFSSAVFFAEAD
ERDSQFPS IPDAFWWAVVSMTTVGYGDMVPTTIGGKIVGSLCAIAGVLTIALPVPVIV
SNFNIFYHRE TEGEEQAQYLQVTSCPkipSSPDLQKSRsASTLSKSDYMEIQEGVN
HSNEDFREKNLkTA NCTLGNTNYVNITKMLTDV
    
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**Purity**                        Greater than 90% as determined by SDS-PAGE.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

<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; Voltage-gated potassium channel subunit Kv1.2; xSHA2
<b>UniProt ID</b>	<a href="#">P22739</a>

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