

# Recombinant Full Length *Mustela putorius furo* Potassium Voltage-Gated Channel Subfamily A Member 4(Kcna4) Protein, His-Tagged

**Cat. No.** RFL21296MF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length <i>Mustela putorius furo</i> Potassium voltage-gated channel subfamily A member 4(KCNA4) Protein (Q28527) (1-654aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
<b>Species</b>	<i>Mustela putorius furo</i> (European domestic ferret) ( <i>Mustela furo</i> )
<b>Source</b>	<i>E. coli</i>
<b>ProteinLength</b>	Full Length (1-654)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	<pre> MEVAMVSAESSGCNSHMPYGYAAQARARERERLAHSRAAAAAVAATAAVEGS GGSGGG SHHHHQSRGACTSHDPQGGGRSRRRRRQRPEKKKAHHRQSSFPHCS DLMPSGSEEKILRE LSEEEEEEEDEEEEEEEGRFYSEDDHGDECSYTDLLPQDDG GGGGYSSVRYSDCCERVV INVSGLRFETQMKTLAQFPETLLGDPEKRTQYFDPLR NEYFFDRNRPSFDAILYYYQSGG RLKRPVNVVPFDIFTEEVKQFYQLGEEALLKFREDE GFVREEEDRALPENEFKKQIWLLFEY PESSSPARGIAIVSVLVILISIVIFCLETLPEFR DDRDLMALSAGGHSGLLNDTSAPHL ENSGHTIFNDPFFIVETVCIVWFSFEFVVRCF ACPSQALFFKNIMNIIDIVSILPYFITL GTDLAQQQGGGNGQQQQAMSFALRIIRLVR VFRIFKLSRHSKGLQILGHTLRASMRELG LLIFLFIGVILFSSAVYFAEADEPTTHFQS IPDAFWWAVVTMTTVGYGDMKPITVGGKI VGSLCAIAGVLTIALPVPVIVSNFNIFYH </pre>

 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

RETENEEQTQLTQNAVSCPYP LPSNLLKKFRS STSSSLGDKSEYLEMEEGVKESLCA  
KEGKCQKGDDSETDKNNCSNAKAVETDV

**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 mutiple 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** KCNA4

**Synonyms** KCNA4; Potassium voltage-gated channel subfamily A member 4; FK1; Voltage-gated potassium channel subunit Kv1.4

**UniProt ID** [Q28527](https://www.uniprot.org/entry/Q28527)

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