

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

Product Overview	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> .
Species	<i>Mustela putorius furo</i> (European domestic ferret) (<i>Mustela furo</i>)
Source	<i>E. coli</i>
Protein Length	Full Length (1-654)
Form	Lyophilized powder
AA Sequence	MEVAMVSAESSGCNSHMPYGYAAQARARERERLAHSRAAAAAVAATAAVEGS GGSGGG SHHHHQSRGACTSHDPQGGRGSRRRRRQRPEKKKAHHRQSSFPHCS DLMPSGSEEKILRE LSEEEEEEEDEEEEEEEGRFYSEDHGDCECSYTDLLPQDDG GGGGYSSVRYSDCCERVV INVSGLRFETQMKTLAQFPETLLGDPEKRTQYFDPLR NEYFFDRNRPSFDAILYYYQSGG RLKRPVNVVPFDIFTEEVKFYQLGEEALLKFREDE GFVREEEDRALPENEFKKQIWLLFEY PESSSPARGIAIVSVLVILISIVIFCLETLPEFR DDRDLMALSAGGHSGLLNDTSAPHL ENSGHTIFNDPFFIVETVCIVWFSFEFVVRCF ACPSQALFFKNIMNIIDIVSILPYFITL GTDLAQQQGGGNGQQQQAMSFALRIIRLVR VFRIFKLSRHSKGLQILGHTLRASMRELG LLIFFLFIGVILFSSAVYFAEADPTTHFQS IPDAFWWAVVTMTTVGYGDMKPITVGGKI VGSLCAIAGVLTIALPVPVIVSNFNIFYH

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	RETENEEQTQLTQNAVSCPYPNLLKKFRS 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