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Datasheet for ABIN1657144
KCNQ4 Protein (AA 1-168) (His tag)

Overview

Quantity:	1 mg
Target:	KCNQ4
Protein Characteristics:	AA 1-168
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNQ4 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	DRIRISISQK RTGPSKQHLA PPPIPTSPSS EQVGEASSPS KVQKSWSFND RTRFRASLRL KPRCSAEEGP SEEVAEEKSY QCELTVDVDM PAVKTVIRSV RILKFLVAKR KFKETLRPYD VKDVEIQYSA GHLDMLGRIK SLQARVDQIV GRGPGDRKTR EKGDKGPS
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	KCNQ4
Alternative Name:	Potassium voltage-gated channel subfamily KQT member 4 (Kcnq4) (KCNQ4 Products)

Target Details

Background: Recommended name: Potassium voltage-gated channel subfamily KQT member 4.
Alternative name(s): KQT-like 4 Potassium channel subunit alpha KvLQT4 Voltage-gated potassium channel subunit Kv7.4

UniProt: [Q9JK96](#)

Pathways: [Sensory Perception of Sound](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.
