

Product datasheet

Recombinant Human KCNN4 protein ab158789

1 Image

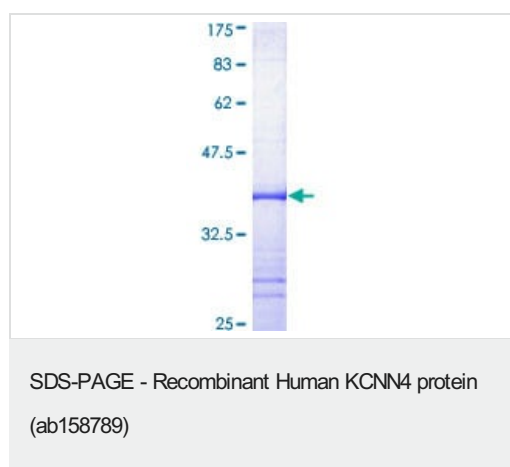
Description	
Product name	Recombinant Human KCNN4 protein
Expression system	Wheat germ
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	HTRRKESHAARRHQKLLAAINAFRQVRLKHRKLREQVNS MVDISKMHMI LYDLQQNLSSSHRALEKQIDTLAGKLDALTELLSTALGPRQ LPEPSQQSK
Amino acids	328 to 427
Tags	GST tag N-Terminus

Specifications	
Our <b>Abpromise guarantee</b> covers the use of <b>ab158789</b> in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	ELISA Western blot
Form	Liquid
Additional notes	

Preparation and Storage	
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

<b>Function</b>	Forms a voltage-independent potassium channel that is activated by intracellular calcium. Activation is followed by membrane hyperpolarization which promotes calcium influx. Required for maximal calcium influx and proliferation during the reactivation of naive T cells. The channel is blocked by clotrimazole and charybdotoxin but is insensitive to apamin.
<b>Tissue specificity</b>	Widely expressed in non-excitabile tissues.
<b>Sequence similarities</b>	Belongs to the potassium channel KCNN family. KCa3.1/KCNN4 subfamily.
<b>Post-translational modifications</b>	Phosphorylation at His-358 by NDKB activates the channel, and conversely it's dephosphorylation by PHPT1 inhibits the channel.
<b>Cellular localization</b>	Membrane.

## Images



ab158789 on a 12.5% SDS-PAGE stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
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