

Product datasheet

Recombinant Human KCNV1 protein ab162055

1 Image

Overview

Product name	Recombinant Human KCNV1 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	FCSEGEGEPLALGDCFTVNVGGSRFVLSQQALSCFP HTRLGKLAVVVASY RRPGALAAVPSPLELCDDANPVDNEYFFDRSSQAFR YVLHYYRTGRLHV
Amino acids	26 to 124
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab162055** 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	Protein concentration is above or equal to 0.05 mg/ml.

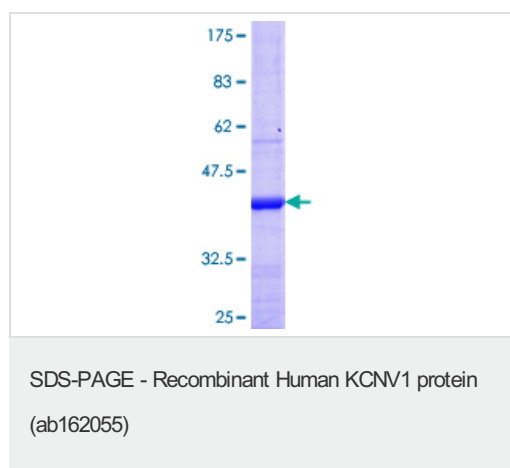
Preparation and Storage

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
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General Info

Function	Potassium channel subunit that does not form functional channels by itself. Modulates KCNB1 and KCNB2 channel activity by shifting the threshold for inactivation to more negative values and by slowing the rate of inactivation. Can down-regulate the channel activity of KCNB1, KCNB2, KCNC4 and KCND1, possibly by trapping them in intracellular membranes.
Tissue specificity	Detected in brain.
Sequence similarities	Belongs to the potassium channel family. V (TC 1.A.1.2) subfamily. Kv8.1/KCNV1 sub-subfamily.
Domain	The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.
Cellular localization	Cell membrane. Has to be associated with another potassium channel subunit to get inserted in the plasma membrane. Remains intracellular in the absence of KCNB2.

Images



ab162055 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"

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