



Recombinant Human KCND2 Protein Product Manual

1. Product Basic Information

Product No.: REP07275

Protein Name: Kv4.Voltage-Sensitive Potassium Channel (KCND2)

Aliases: RK5; KV4.voltage-sensitive potassium channel; A-type voltage-gated potassium channel KCND2

UniProt ID: Q9NZV8

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9NZV8/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Cytoplasmic Domain (406-630aa)

Molecular Weight: 27.0kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (406-630aa)

VSNFSRIYHQNQQRADKRRRAQKKARLARIRAAKSGSANAYMQSKRNGLLSNQLQSS
EDEQAFVSKSGSSFETQHHHLLHCLEKTTNHEFVDEQVFEESCMEVATVNRPSSH
SPSLSSQQGVTSTCCSRRHKKTFRIPNANVSGSHQGSIQELSTIQIRCVERTPLSNS
RSSLNAMKEECVKLNCEQPYVTTAISIPTPVTTPEGDDRPEPEYSGGNIVRVSA

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause

5. Product Description

This product is a recombinant Human KCND2 cytoplasmic domain protein (406-630aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. KCND2, also known as RK5 or KV4.voltage-sensitive potassium channel or A-type voltage-gated potassium channel KCND2, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.