



Recombinant Human KCND1 Protein Product Manual

1. Product Basic Information

Product No.: REP07274

Protein Name: Shal-Type Potassium Channel (KCND1)

Aliases: Shal-type potassium channel; shal-type potassium channel KCND1; A-type voltage-gated potassium channel KCND1

UniProt ID: Q9NSA2

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9NSA2/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Cytoplasmic Domain (410-647aa)

Molecular Weight: 27.7kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (410-647aa)

NFSRIYHQNRADKRRRAQQKQVRLARIRLAKSGTTNAFLQYKQNGGLEDSSGSGEEQ
ALCVRNRSAFEQQHHLLHCLEKTTCHFTDELTFSEALGAVSPGGRTSRSTSVSS
QPVGPGSLLSSCCPRRAKRRAIRLANSTASVSRGSMQELDMLAGLRRSHAPQSRS
SLNAKPHDSLNLNCDSDRFVAAIISIPTPPANTPDESQPSPPGGGGGRAGSTLRNSSL
GTPCLFPETVKISSL

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

5. Product Description

This product is a recombinant Human KCND1 cytoplasmic domain protein (410-647aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. KCND1, also known as Shal-type potassium channel or shal-type potassium channel KCND1 or A-type voltage-gated potassium channel KCND1, 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.