

Recombinant Human KCND1 Protein (410-647 aa), His-tagged

Cat. No. KCND1-594H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KCND1 Protein (410-647 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Neuroscience. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	410-647 aa
Description	Pore-forming (alpha) subunit of voltage-gated rapidly inactivating A-type potassium channels. May contribute to I(To) current in heart and I(Sa) current in neurons. Channel properties are modulated by interactions with other alpha subunits and with regulatory subunits.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	29.7 kDa
AA Sequence	NFSRIYHQNQRADKRRRAQQKVRLARIRLAKSGTTNAFLQYKQNGGLEDSGSGEEQA LCVRNRSafeQQHHLLHCLEKTTCHFTDELTFSEALGAVSPGGRTSRSTSVSSQ PVGPGSLLSSCCPRRAKRRAIRLANSTASVSRGSMQELDMLAGLRRSHAPQSRSSL NAKPHDSLNLNCDSDRFVAAIISIPTPPANTPDESQPSPPGGGGGRAGSTLRNSSLGT PCLFPETVKISSL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

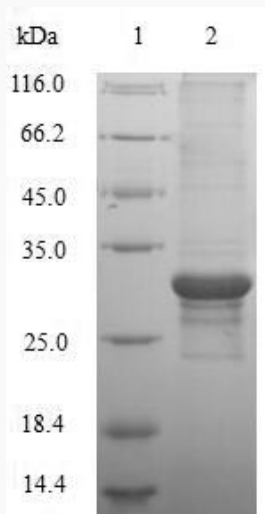
 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.
GENE INFORMATION	
Gene Name	KCND1 potassium voltage-gated channel, Shal-related subfamily, member 1 [Homo sapiens]
Official Symbol	KCND1
Synonyms	KCND1; Kv4.1; KV4.1;
Gene ID	3750
mRNA Refseq	NM_004979
Protein Refseq	NP_004970
MIM	300281
UniProt ID	Q9NSA2

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.