

Recombinant Human KCND2 protein, His-tagged

Cat. No. KCND2-3249H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KCND2 protein(435-630 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	435-630 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	AAKSGSANAYMQSKRNGLLSNQLQSSSEDEQAFVSKSGSSFETQHHLHLCLEKTT NHEFVDEQVFEEESCMEVATVNRPSSHSPSLSSQQGVTSTCCSRRHKKTFRIPNANV SGSHQGSIQELSTIQIRCVERTPLSNSRSSLNAKMEECVKLNCEQPYVTTAIIPTTP VTTPEGDDRPEPESPEYSGGNIVRVSA
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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Reconstitution	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.
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GENE INFORMATION

Gene Name	KCND2 potassium voltage-gated channel, Shal-related subfamily, member 2 [Homo sapiens]
Official Symbol	KCND2
Synonyms	KCND2; potassium voltage-gated channel, Shal-related subfamily, member 2; potassium voltage-gated channel subfamily D member 2; KIAA1044; Kv4.2; RK5; voltage-sensitive potassium channel; voltage-gated potassium channel Kv4.2; voltage-gated potassium channel subunit Kv4.2; KV4.2; MGC119702; MGC119703;
Gene ID	3751
mRNA Refseq	NM_012281
Protein Refseq	NP_036413
MIM	605410
UniProt ID	Q9NZV8

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