# Recombinant Human Potassium voltage-gated channel subfamily D member 1 (KCND1), partial

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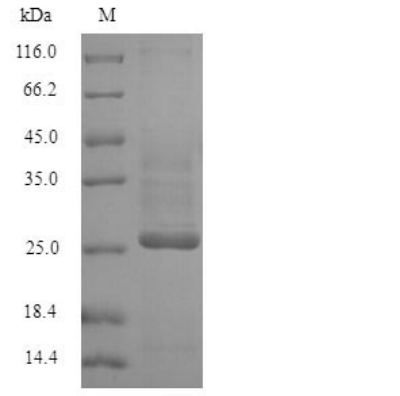
| **Product Code** | CSB-YP012022HU |
| **Relevance** | Pore-forming (alpha) subunit of voltage-gated rapidly inactivating A-type potassium channels. May contribute to I(To) current in heart and I(Sa) current in neurons. Channel properties are modulated by interactions with other alpha subunits and with regulatory subunits. |
| **Abbreviation** | Recombinant Human KCND1 protein, partial |
| **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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| **Uniprot No.** | Q9NSA2 |
| **Alias** | Voltage-gated potassium channel subunit Kv4.1 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Homo sapiens (Human) |
| **Purity** | Greater than 90% as determined by SDS-PAGE. |
| **Sequence** | NFSRIYHQNQRADKRRAQQKVRLARIRLAKSGTTNAFLQYKQNGGLEDSGSG EEQALCVRNRSAFEQQHHHLLHCLEKTTCHEFTDELTFSEALGAVSPGGRTS RSTSVSSQPVGPGSLLSSCCPRRAKRRAIRLANSTASVSRGSMQELDMLAGL RRSHAPQSRSSLNAKPHDSLDLNCDSRDFVAAIISIPTPPANTPDESQPSSPG GGGRAGSTLRNSSLGTPCLFPETVKISSL |
| **Research Area** | Neuroscience |
| **Source** | Yeast |
| **Target Names** | KCND1 |
| **Expression Region** | 410-647aa |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| **Tag Info** | N-terminal 6xHis-tagged |
| **Mol. Weight** | 27.7kDa |
| **Protein Length** | Cytoplasmic Domain |
| **Image** | |




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

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.