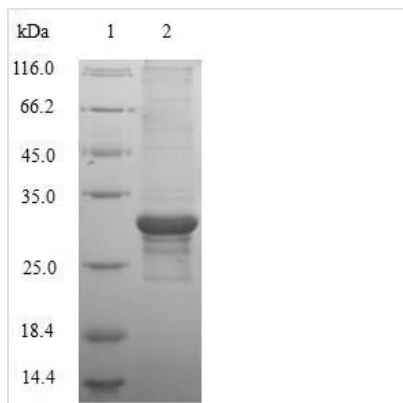




Recombinant Human Potassium voltage-gated channel subfamily D member 1 protein (KCND1), partial

Product Code	CSB-EP012022HU
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	NFSRIYHQNQRADKRRRAQQKVRLARIRLAKSGTTNAFLQYKQNGGLED SGSG EEQALCVRNRSAFEQQHHLLHCLEKTTTCHEFTDELTFSEALGAVSPGGRTS RSTSVSSQPVGPGSLLSSCCPRRAKRRAIRLANSTASVSRGSMQELDMLAGL RRSHAPQSRSSLNAKPHDSLNLNCD SRDFVAAIISIPTPPANTPDESQPSSPG GGGRAGSTLRNSSLGTPCLFPETVKISSL
Research Area	Neuroscience
Source	E.coli
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	29.7kDa
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.