Recombinant Human Voltage-dependent L-type calcium channel subunit beta-1 (CACNB1)

Product Code	CSB-EP004411HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	Q02641
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MVQKTSMSRG PYPPSQEIPM EVFDPSPQGK YSKRKGRFKR SDGSTSSDTT SNSFVRQGSA ESYTSRPSDS DVSLEEDREA LRKEAERQAL AQLEKAKTKP VAFAVRTNVG YNPSPGDEVP VQGVAITFEP KDFLHIKEKY NNDWWIGRLV KEGCEVGFIP SPVKLDSLRL LQEQKLRQNR LGSSKSGDNS SSSLGDVVTG TRRPTPPASA KQKQKSTEHV PPYDVVPSMR PIILVGPSLK GYEVTDMMQK ALFDFLKHRF DGRISITRVT ADISLAKRSV LNNPSKHIII ERSNTRSSLA EVQSEIERIF ELARTLQLVA LDADTINHPA QLSKTSLAPI IVYIKITSPK VLQRLIKSRG KSQSKHLNVQ IAASEKLAQC PPEMFDIILD ENQLEDACEH LAEYLEAYWK ATHPPSSTPP NPLLNRTMAT AALAASPAPV SNLQGPYLAS GDQPLERATG EHASMHEYPG ELGQPPGLYP SSHPPGRAGT LRALSRQDTF DADTPGSRNS AYTELGDSCV DMETDPSEGP GLGDPAGGGT PPARQGSWED EEEDYEEELT DNRNRGRNKA RYCAEGGGPV LGRNKNELEG WGRGVYIR
Source	E.coli
Target Names	CACNB1
Protein Names	Recommended name: Voltage-dependent L-type calcium channel subunit beta-1 Short name= CAB1 Alternative name(s): Calcium channel voltage-dependent subunit beta 1
Expression Region	1-598
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This protein belongs to the calcium channel beta subunit family. It plays an important role in the calcium channel by modulating G protein inhibition, increasing peak calcium current, controlling the alpha-1 subunit membrane targeting and shifting the voltage dependence of activation and inactivation. Alternative splicing occurs at this locus and three transcript variants encoding three distinct isoforms have been identified.
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.