Recombinant Human Calsequestrin-2 (CASQ2)

Product Code	CSB-YP004557HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O14958
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	E EGLNFPTYDG KDRVVSLSEK NFKQVLKKYD LLCLYYHEPV SSDKVTQKQF QLKEIVLELV AQVLEHKAIG FVMVDAKKEA KLAKKLGFDE EGSLYILKGD RTIEFDGEFA ADVLVEFLLD LIEDPVEIIS SKLEVQAFER IEDYIKLIGF FKSEDSEYYK AFEEAAEHFQ PYIKFFATFD KGVAKKLSLK MNEVDFYEPF MDEPIAIPNK PYTEEELVEF VKEHQRPTLR RLRPEEMFET WEDDLNGIHI VAFAEKSDPD GYEFLEILKQ VARDNTDNPD LSILWIDPDD FPLLVAYWEK TFKIDLFRPQ IGVVNVTDAD SVWMEIPDDD DLPTAEELED WIEDVLSGKI NTEDDDEDDD DDDNSDEEDN DDSDDDDDE
Source	Yeast
Target Names	CASQ2
Protein Names	Recommended name: Calsequestrin-2 Alternative name(s): Calsequestrin, cardiac muscle isoform
Expression Region	20-399
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 of Mature Protein
Target Details	This protein specifies the cardiac muscle family member of the calsequestrin family. Calsequestrin is localized to the sarcoplasmic reticulum in cardiac and slow skeletal muscle cells. The protein is a calcium binding protein that stores calcium for muscle function. Mutations in this gene cause stress-induced polymorphic ventricular tachycardia, also referred to as catecholaminergic polymorphic ventricular tachycardia 2 (CPVT2), a disease characterized by bidirectional ventricular tachycardia that may lead to cardiac arrest.
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.