

Recombinant Full Length Human CASQ2 Protein, GST-tagged

Cat. No. CASQ2-2750HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CASQ2 full-length ORF (AAH22288, 20 a.a. - 399 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	399 amino acids
Description	The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]
Molecular Mass	67.54 kDa
AA Sequence	EEGLNFPTYDGKDRVVSLSEKNFKQVLKKYDLLCLYYHEPVSSDKVTQKQFQLKEIV LELVAQVLEHKAIGFVMVDAKKEAKLAKKLGFDDEEGSLYILKGDRTIEFDGEFAADV LVEFLLDLIEDPVEIISSEKLEVQAFERIEDYIKLIGFFKSEDSSEYYKAFEEAAEHFQPYIKF FATFDKGVAKKLSLKMNEVDFYEPFMDEPIAIPNKPYTEEELVEFVKEHQRPTLRRLR PEEMFETWEDDLNGIHIVAFAEKSDPDGYEFLEILKQVARDNTDNPDL SILWIDPDDF

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PLLVAYWEKTFKIDLFRPQIGVVNVTADSVWMEIPDDDDLPTAAEELEDWIEDVLSG
KINTEDDDEDDDDDDNSDEEDNDDSDDDDDDE

Applications
Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [CASQ2 calsequestrin 2 \(cardiac muscle\) \[Homo sapiens \]](#)

Official Symbol [CASQ2](#)

Synonyms CASQ2; calsequestrin 2 (cardiac muscle); calsequestrin-2; PDIB2; calsequestrin, cardiac muscle isoform; calsequestrin 2, fast-twitch, cardiac muscle; FLJ26321; FLJ93514;

Gene ID [845](#)

mRNA Refseq [NM_001232](#)

Protein Refseq [NP_001223](#)

MIM [114251](#)

UniProt ID [O14958](#)

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