

Recombinant Human CASQ1 Protein, GST-Tagged

Cat. No. CASQ1-0434H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CASQ1 full-length ORF (NP_001222.2, 1 a.a. - 390 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes the skeletal muscle specific member of the calsequestrin protein family. Calsequestrin functions as a luminal sarcoplasmic reticulum calcium sensor in both cardiac and skeletal muscle cells. This protein, also known as calmitine, functions as a calcium regulator in the mitochondria of skeletal muscle. This protein is absent in patients with Duchenne and Becker types of muscular dystrophy. [provided by RefSeq, Jun 2013]
Molecular Mass	70.9 kDa
AA Sequence	MGPRAVPGLRLALLLLVLGTPKSGVQGQEGLDPEYDGVDRVINVNAKNYKNVFK KYEVLALLYHEPPEDDKASQRQFEMEELILELAAQVLEDKGVGFGLVDSEKDAAVAK KLGLTEVDSMYVFKGDEVIEYDGEFSADTIVEFLLDVLEDPVELIEGERELQAFENIED EIKLIGYFKSKDSEHYKAFEDAAEEFHYPYIPFFATFDSKVAKKLTLKLNEIDFYEFME EPVTIPDKPNSEEEIVNFVEEHRRSTLRKLKPESMYETWEDDMDGIHIVAFEEEADP DGFEFLETLKAVAQDNTENPDLSIIWIDPDDFLLVPYWEKTFDIDLSAPQIGVVNVT ADSVWMEMDDEEDLPAAEELEDVLEGEINTEDDDDDDDD
Applications	Enzyme-linked Immunoabsorbent Assay

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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 CASQ1 calsequestrin 1 (fast-twitch, skeletal muscle) [Homo sapiens]

Official Symbol CASQ1

Synonyms CASQ1; calsequestrin 1 (fast-twitch, skeletal muscle); CASQ; calsequestrin-1; calmitine; calsequestrin 1; fast twitch; skeletal muscle; PDIB1; calmitin; calsequestrin, skeletal muscle isoform;

Gene ID 844

mRNA Refseq NM_001231

Protein Refseq NP_001222

MIM 114250

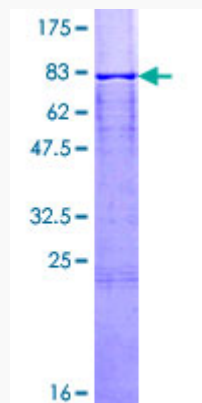
UniProt ID P31415

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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