

## Recombinant Human CASQ1, His-tagged

Cat. No. CASQ1-10740H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human CASQ1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                                                                                                                       |
| Species          | Human                                                                                                                                                                                                                                                          |
| Source           | E.coli                                                                                                                                                                                                                                                         |
| ProteinLength    | 1-390a.a.                                                                                                                                                                                                                                                      |
| Description      | The protein encoded by this gene is a neuron-specific protein. The similar protein in pig enhances neuroblastoma cell differentiation in vitro and may be involved in neuronal differentiation in vivo. Multiple pseudogenes have been reported for this gene. |
| Storage          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                      |
| Storage Buffer   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.                                                                                           |

### GENE INFORMATION

|                 |                                                                       |
|-----------------|-----------------------------------------------------------------------|
| Gene Name       | CASQ1 calsequestrin 1 (fast-twitch, skeletal muscle) [ Homo sapiens ] |
| Official Symbol | CASQ1                                                                 |

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|                            |                                                                                                                                                                                                  |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | CASQ1; calsequestrin 1 (fast-twitch, skeletal muscle); CASQ; calsequestrin-1; calmitine; calsequestrin 1; fast twitch; skeletal muscle; PDIB1; calmitin; calsequestrin, skeletal muscle isoform; |
| <b>Gene ID</b>             | <a href="#">844</a>                                                                                                                                                                              |
| <b>mRNA Refseq</b>         | <a href="#">NM_001231</a>                                                                                                                                                                        |
| <b>Protein Refseq</b>      | <a href="#">NP_001222</a>                                                                                                                                                                        |
| <b>MIM</b>                 | <a href="#">114250</a>                                                                                                                                                                           |
| <b>UniProt ID</b>          | <a href="#">P31415</a>                                                                                                                                                                           |
| <b>Chromosome Location</b> | 1q21                                                                                                                                                                                             |
| <b>Pathway</b>             | Calcium Regulation in the Cardiac Cell, organism-specific biosystem;                                                                                                                             |
| <b>Function</b>            | calcium ion binding;                                                                                                                                                                             |

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