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# Product datasheet for AR09401PU-L

## Calsequestrin-2 (20-399, His-tag) Human Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Calsequestrin-2 (20-399, His-tag) human recombinant protein, 0.5 mg |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMEEG LNFPTYDGKD RVVSLSEKNF KQVLKKYDLL CLYYHEPVSS DKVTQKQFQL KEIVLELVAQ VLEHKAIGFV MVDAKKEAKL AKKLGFDEEG SLYILKGDRT IEFDGEFAAD VLVEFLLDLI EDPVEIISSK LEVQAFERIE DYIKLIGFFK SEDSEYYKAF EEAAEHFQPY IKFFATFDKG VAKKLSLKMN EVDFYEPFMD EPIAIPNKPY TEEELVEFVK EHQRPTLRRL RPEEMFETWE DDLNGIHIVA FAEKSDPDGY EFLEILKQVA RDNTDNPDLS ILWIDPDDFP LLVAYWEKTF KIDLFRPQIG VVNVTDADSV WMEIPDDDDL PTAEELEDWI EDVLSGKINT EDDDEDDDDD DNSDEEDNDD SDDDDDE |
| **Tag:** | His-tag |
| **Predicted MW:** | 48.4 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >95% by SDS - PAGE |
| **Buffer:** | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1 M NaCl, 1 mM DTT |
| **Preparation:** | Liquid purified protein |
| **Protein Description:** | Recombinant Calsequestrin2 protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques. |
| **Storage:** | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **RefSeq:** | NP_001223 |
| **Locus ID:** | 845 |
| **UniProt ID:** | O14958 |
| **Cytogenetics:** | 1p13.1 |

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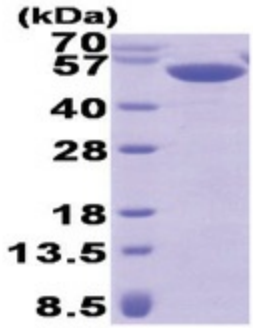
**Synonyms:** PDIB2

**Summary:** 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]

**Protein Families:** Druggable Genome

## Product images:

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