

# Recombinant Full Length Human AKAP10 Protein, GST-tagged

**Cat. No.** AKAP10-1342HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human AKAP10 full-length ORF ( NP_009133.2, 1 a.a. - 662 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 662 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | This gene encodes a member of the A-kinase anchor protein family. A-kinase anchor proteins bind to the regulatory subunits of protein kinase A (PKA) and confine the holoenzyme to discrete locations within the cell. The encoded protein is localized to mitochondria and interacts with both the type I and type II regulatory subunits of PKA. Polymorphisms in this gene may be associated with increased risk of arrhythmias and sudden cardiac death. [provided by RefSeq, May 2012] |
| <b>Molecular Mass</b>   | 100.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MRGAGPSPRQ SPRTLRPDPG PAMSFRRKV KGKEQEKTS V KSIKASISV<br>HSPQKSTKNH ALLEAAGPSH VAINAISANM DSFSSSRTAT LKKQPSHMEA<br>AHFGDLGRSC LDYQTQETKS SLSKTLEQVL HDTIVLPYFI QFMELRRMEH<br>LVKFWLEAES FHSTTWSRIR AHSLNTVKQS SLAEPVSPSK KHETTASFLT<br>DSLDKRLEDS GSAQLFMTHS EGIDLNNRTN STQNHLLLSQ ECDSAHSRLRL<br>EMARAGTHQV SMETQESSST LTVASRNSPA SPLKELSGKL MKSIEQDAVN<br>TFTKYISPDA AKPIPITEAM RNDIARICG EDGQVDPNCF VLAQSIVFSA                                                                           |

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MEQEHFSEFL RSHHFCKYQI EVLTSGTVYL ADILFCESAL FYFSEYMEKE  
 DAVNILQFWL AADNFQSQLA AKKGQYDGQE AQNDAMILYD KYFSLQATHP  
 LGFDDVVRLE IESNICREGG PLPNCFTTPL RQAWTTMEKV FLPGLSSNL  
 YYKYLNDLIH SVRGDEFLGG NVSLTAPGSV GPPDESHPGS SDSSASQSSV  
 KKASIKILKN FDEAIIVDAA SLDPESLYQR TYAGKMTFGR VSDLGQFIRE  
 SEPEPDVRKS KGSMFSQAMK KVVQGNTDEA QEELAWKIAK MIVSDIMQQA  
 QYDQPLEKST KL

**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**

AKAP10 A kinase (PRKA) anchor protein 10 [ Homo sapiens ]

**Official Symbol**

AKAP10

**Synonyms**

AKAP10; A kinase (PRKA) anchor protein 10; A-kinase anchor protein 10, mitochondrial; D AKAP2; dual specificity A kinase anchoring protein 2; MGC9414; mitochondrial A kinase PPKA anchor protein 10; PRKA10; protein kinase A anchoring protein 10; AKAP-10; D-AKAP-2; protein kinase A-anchoring protein 10; a kinase anchor protein 10, mitochondrial; dual specificity A kinase-anchoring protein 2; dual-specificity A-kinase anchoring protein 2; D-AKAP2

**Gene ID**

11216

**mRNA Refseq**

NM\_007202

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|                |           |
|----------------|-----------|
| Protein Refseq | NP_009133 |
| MIM            | 604694    |
| UniProt ID     | O43572    |

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