

Recombinant Full Length Human AKAP10 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human AKAP10 full-length ORF (NP_009133.2, 1 a.a. - 662 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	662 amino acids
Description	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]
Molecular Mass	100.2 kDa
AA Sequence	MRGAGPSPRQ SPRTLRPDPG PAMSFRRKV KGKEQEKTS V KSIKASISV HSPQKSTKNH ALLEAAGPSH VAINAISANM DSFSSSRTAT LKKQPSHMEA AHFGDLGRSC LDYQTQETKS SLSKTLEQVL HDTIVLPYFI QFMELRRMEH LVKFWLEAES FHSTTWSRIR AHSLNTVKQS SLAEPVSPSK KHETTASFLT DSLDKRLEDS GSAQLFMTHS EGIDLNNRTN STQNHLLLSQ ECDSAHSRLRL EMARAGTHQV SMETQESSST LTVASRNSPA SPLKELSGKL MKSIEQDAVN 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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