

Recombinant Human AKAP10 Protein, GST-tagged

Cat. No. AKAP10-396H **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	Wheat Germ
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	MRGAGPSPRQSPRTLRLPDGPAMSFRRKVKGKEQEKTSVDKSIKASISVHSPQKS TKNHALLEAAGPSHVAINAISANMDSFSSSRTATLKKQPSHMEAAHFGDLGRSCLDY QTQETKSSLSKTLEQVLHDTIVLPYFIQFMELRRMEHLVKFWLEAESFHSTTWSRIRA HSLNTVKQSSLAEPVSPSKKHETTASFLTDSLDRLED SGSAQLFMTHSEGIDLNNR TNSTQNHLLLSQECDSAHSRLRLEMARAGTHQVSMETQESSSTLTVASRNSPASPLK ELSGKLMKSIEQDAVNTFTKYISPDAAKPIPITEAMRNDIARICGEDGQVDPNCFVLA QSIVFSAMEQEHFSEFLRSHHFCKYQIEVLTSGTVYLADILFCESALFYFSEYMEKED AVNILQFWLAADNFQSQLAAKKGQYDGQEAQNDAMILYDKYFSLQATHPLGFDDVV

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RLEIESNICREGGPLPNCFTTPLRQAWTTMEKVFLPGFLSSNLYYKYLNLIHSVRGD
EFLGGNVSLTAPGSVGPPDESHPGSSDSSASQSSVKKASIKILKNFDEAIIVDAASLD
PESLYQRTYAGKMTFGRVSDLGQFIRESEPEPDVRKSKGSMFSQAMKKWVQGNTD
EAQEELAWKIAKMIVSDIMQQAQYDQPLEKSTKL

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

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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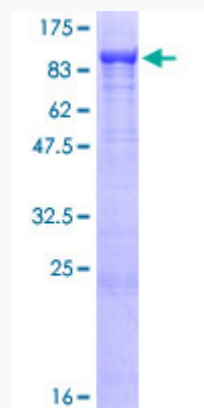
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Protein Refseq NP_009133

MIM 604694

UniProt ID O43572



12.5% SDS-PAGE Stained with Coomassie Blue.

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