

Recombinant Full Length Human AKAP8 Protein, GST-tagged

Cat. No. AKAP8-1354HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AKAP8 full-length ORF (AAH37270.1, 1 a.a. - 692 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	692 amino acids
Description	This gene encodes a member of the A-kinase anchor protein family. A-kinase anchor proteins are scaffold proteins that contain a binding domain for the RI/RII subunit of protein kinase A (PKA) and recruit PKA and other signaling molecules to specific subcellular locations. This gene encodes a nuclear A-kinase anchor protein that binds to the RII alpha subunit of PKA and may play a role in chromosome condensation during mitosis by targeting PKA and the condensin complex to chromatin. A pseudogene of this gene is located on the short arm of chromosome 9. [provided by RefSeq, May 2011]
Molecular Mass	102.6 kDa
AA Sequence	MDQGYGGYGA WSAGPANTQG AYGTGVASWQ GYENYNYYGA QNTSVTTGAT YSYGPASWEA AKANDGGLAA GAPAMHMASY GPEPCTDNSD SLIAKINQRL DMMSKEGGRG GSDGGGEGIQ DRESSFRFQP FESYDSRPCL PEHNPYRPSY SYDYEFDLGS DRNGSFGGQY SECRDPARER GSLDGFMRGR GQGRFQDRSN PGTFMRSDPF VPPAASSEPL STPWNELNYV GGRGLGGPSP SRPPPSLFSQ

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SMAPDYGVMG MQGAGGYDST MPYGCGRSQP RMRDRDRPKR RGFDRFGPDG
 TGRKRKQFQL YEEDPTKLAR VDSEGDFSEN DDAAGDFRSG DEEFKGEDEL
 CDSGRQRGEK EDEDEDVKKR REKQRRRDRT RDRAADRIQF ACSVCKFRSF
 DDEEIQKHLQ SKFHKETLRF ISTKLDPKTV EFLQEYIVNR NKKIEKRRQE
 LMEKETAKPK PDPFKGIGQE HFFKKIEAAH CLACDMLIPA QPQLLQRHLH
 SVDHNNHNRRL AAEQFKKTSL HVAKSVLNNR HIVKMLEKYL KGEDPFTSET
 VDPEMEGDDN LGGEDKKETP EEVAADVLAE VITAAVRAVD GEGAPAPESS
 GEPAEDEGPT DTAEAGSDPQ AEQLLEEQVP CGTAHEKGVK KARSEAAEAG
 NGAETMAAEA ESAQTRVAPA PAAADAEVEQ TDAESKDAVP TE

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

AKAP8 A kinase (PRKA) anchor protein 8 [Homo sapiens]

Official Symbol

AKAP8

Synonyms

AKAP8; A kinase (PRKA) anchor protein 8; A-kinase anchor protein 8; A kinase anchor protein; 95kDa; AKAP95; DKFZp586B1222; A-kinase anchor protein, 95kDa; AKAP-8; AKAP 95; AKAP-95

Gene ID

10270

mRNA Refseq

NM_005858

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Protein Refseq	NP_005849
MIM	604692
UniProt ID	O43823

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