

Recombinant Human AKAP8 Protein, GST-tagged

Cat. No. AKAP8-403H **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	Wheat Germ
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	MDQGYGGYGAW SAGPANTQGAYGTGVASWQGYENYNYYGAQNTSVTTGATYSY GPASWEAAKANDGGLAAGAPAMHMASYGPEPCTDNSDSLIAKINQRLDMMSKEGG RGGSDGGGEGIQDRESSFRFQPFESYDSRPCLPEHNPYRPSYSYDYEFDLGSDRN GSFGGQYSECRDPARERGS LDGFM RGRGQGRFQDRSNPGTFMRSDPFVPPAASS EPLSTPWNELNYVGGRGLGGPSPSRPPPSLFSQSMAPDYGVMMGMQGAGGYDSTM PYGCGRSQPRMRDRDRPKRRGFDRFGPDGTGRKRKQFQLYEEPDTKLARVDSEG

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DFSENDDAAGDFRSGDEEFKGEDELCDSGRQRGEKEDEDEDVKKRREKQRRRDR
 TRDRAADRIQFACSVCKFRSFDDEEIQLKHLQSKFHKETLRFISTKLPDKTVEFLQEYIV
 NRNKKIEKRRQELMEKETAKPKPDPFKGIGQEHEFFKKIEAAHCLACDMLIPAQPQLL
 QRHLHSVDHNNRRLAAEQFKKTSLHVAKSVLNNRHIVKMLEKYLKGEDPFTSETV
 DPEMEGDDNLGGEDKKETPEEVAADVLAEVITAAVRAVDGEGAPAPESSGEPAEDE
 GPTDTAEAGSDPQAEQLLEEQVPCGTAHEKGVPKARSEAAEAGNGAETMAAEAES
 AQTRVAPAPAAADAEEVEQTDAESKDAVPTE

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

[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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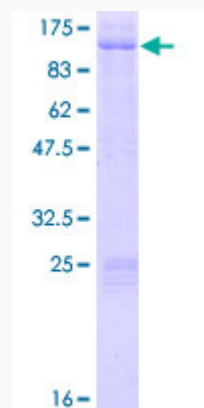
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Protein Refseq NP_005849

MIM 604692

UniProt ID O43823



12.5% SDS-PAGE Stained with Coomassie Blue.

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