

Recombinant Human AKAP8, His-tagged

Cat. No. AKAP8-3032H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A-kinase anchor protein 8 (AKAP8)
Species	Human
Source	E.Coli/Yeast
ProteinLength	692
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]
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of AKAP8 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s

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cap. Certain products may require to ship with dry ice.

Storage Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

Storage Buffer PBS pH 7.4, 50% glycerol

Warning This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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](#)

Protein Refseq [NP_005849](#)

MIM [604692](#)

UniProt ID [O43823](#)

Chromosome Location 19p13.1-q12

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Pathway	G Protein Signaling Pathways, organism-specific biosystem; TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem;
Function	DNA binding; double-stranded DNA binding; metal ion binding; protein kinase A regulatory subunit binding; zinc ion binding;

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