



# Recombinant Human A-kinase anchor protein 8 (AKAP8)

<b>Product Code</b>	CSB-MP001530HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O43823
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MDQGYGGYGA WSAGPANTQG AYGTVASWQ GYENYNYGA  QNTSVTTGAT YSYGPASWEA AKANDGGLAA GAPAMHMASY  GPEPCTDNSD SLIAKINQRL DMMSKEGGRG GSGGGGEGIQ DRESSFRFQP  FESYDSRPCL PEHNPYRPSY SYDYEFDLGS DRNGSFGGQY SECRDPARER  GSLDGFMRGR GQGRFQDRSN PGTFMRSDPF VPPAASSEPL  STPWNELNYV GGRGLGGPSP SRPPPSLFSQ SMAPDYGVMG  MQGAGGYDST MPYGCGRSQP RMRDRDRPKR RGFD RFGPDG  TGRKRKQFQL YEEDTKLAR VDSEGDFSEN DDAAGDFRSG DEEFKGEDEL  CDSGRQRGEK EDEDEDVKKR REKQRRRDRT RDRAADRIQF  ACSVCKFRSF DDEEIQKHLQ SKFHKETLRF ISTKLDPKTV EFLQEYIVNR  NKKIEKRRQE LMEKETAKPK PDPFKGIGQE HFFKKIEAAH CLACDMLIPA  QPQLLRHLH SVDHNNRRL AAEQFKTSL HVAKSVLNNR HIVKMLEKYL  KGEDPFTSET VDPEMEGDDN LGGEDKKETP EEVAADVLAE VITAAVRAVD  GEGAPAPESS GEPAEDEGPT DTAEAGSDPQ AEQLLEEQVP CGTAHEKGVP  KARSEAAEAG NGAETMAAEA ESAQTRVAPA PAAADAEVEQ TDAESKDAVP  TE</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	AKAP8
<b>Protein Names</b>	Recommended name: A-kinase anchor protein 8 Short name= AKAP-8 Alternative name(s): A-kinase anchor protein 95 kDa Short name= AKAP 95
<b>Expression Region</b>	1-692
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins, which have the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell. This gene encodes a member of the AKAP family. The encoded protein is located in the nucleus during interphase and is distinctly redistributed during mitosis. This protein has a cell cycle-dependent interaction with the RII



subunit of PKA.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.