Recombinant Human AKAP4, GST-tagged

Cat. No. AKAP4-16H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AKAP4 (1 a.a. - 100 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	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 localized to the sperm flagellum and may be involved in the regulation of sperm motility. Alternative splicing of this gene results in two transcript variants encoding different isoforms.
Molecular Mass	36.74 kDa
AA Sequence	MMAYSDTTMMSDDIDWLRSHRGVCKVDLYNPEGQQDQDRKVICFVDVSTLNVEDK DYKDAASSSSEGNLNLGSLE EKEIIVIKDTEKKDQSKTEGSVCLF
Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

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Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	AKAP4 A kinase (PRKA) anchor protein 4 [Homo sapiens (human)]
Official Symbol	AKAP4
Synonyms	AKAP4; A kinase (PRKA) anchor protein 4; HI; p82; CT99; FSC1; PRKA4; AKAP-4; AKAP82; AKAP 82; hAKAP82; A-kinase anchor protein 4; A-kinase anchor protein 82 kDa; AKAP4; cancer/testis antigen 99; major sperm fibrous sheath protein; protein kinase A anchoring protein 4; protein kinase A-anchoring protein 4; testis-specific gene HI
Gene ID	8852
mRNA Refseq	NM_003886
Protein Refseq	NP_003877
MIM	300185
UniProt ID	Q5JQC9
Chromosome Location	Xp11.2
Pathway	G Protein Signaling Pathways
Function	protein kinase A binding

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