

## Recombinant Human AKAP14 Protein, GST-tagged

Cat. No. AKAP14-400H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human AKAP14 full-length ORF ( NP_848928.1, 1 a.a. - 197 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>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 protein anchors PKA in ciliary axonemes and, in this way, may play a role in regulating ciliary beat frequency. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]</p>
<b>Molecular Mass</b>	49.2 kDa
<b>AA Sequence</b>	<p>MSETQNSTSQKAMDEDNKAASQTMPNTQDKNYEDELQVALALVEDVINYAVKIVE  EERNPLKNIKWMTHGFTVEKGLKQIDEYFSKCVSKKCWAHGVFVERKDLIHSFLY  IYYVHWSISTADLPVARISAGTYFTMKVSKTKPPDAPIVVSYVGDHQUALVHRPGMVR  FRENWQKNLTDKYSFMESFPFLFNRV</p>
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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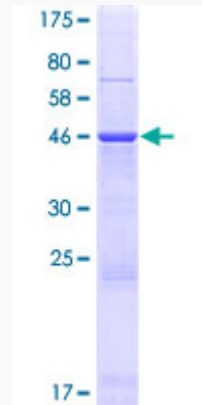
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<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	AKAP14 A kinase (PRKA) anchor protein 14 [ Homo sapiens ]
<b>Official Symbol</b>	AKAP14
<b>Synonyms</b>	AKAP14; A kinase (PRKA) anchor protein 14; A-kinase anchor protein 14; AKAP28; AKAP 28; AKAP-14; A-kinase anchoring protein 28; A-kinase anchor protein 28 kDa; protein kinase A-anchoring protein 14; PRKA14;
<b>Gene ID</b>	158798
<b>mRNA Refseq</b>	NM_001008534
<b>Protein Refseq</b>	NP_001008534
<b>MIM</b>	300462
<b>UniProt ID</b>	Q86UN6

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12.5% SDS-PAGE Stained with Coomassie Blue.

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