Recombinant Human AKAP6 protein, GST-tagged

Cat. No. AKAP6-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AKAP6(2221 a.a. - 2318 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	2221-2318 a.a.
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 highly expressed in various brain regions and cardiac and skeletal muscle. It is specifically localized to the sarcoplasmic reticulum and nuclear membrane, and is involved in anchoring PKA to the nuclear membrane or sarcoplasmic reticulum.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	36.52 kDa
AA Sequence	RAEVGKEVNGLPQTSSGCAENLEFTPSKLDSEKESSGKPGESGMPEEHNAASAKS KVQDLSLKANQPTDKAALHP SPKTLTCEENLLNLHEKRHRNMH
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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.

GENE INFORMATION

Gene Name	AKAP6 A kinase (PRKA) anchor protein 6 [Homo sapiens]
Official Symbol	AKAP6
Synonyms	AKAP6; A kinase (PRKA) anchor protein 6; A-kinase anchor protein 6; ADAP6; AKAP100; KIAA0311; mAKAP; PRKA6; protein kinase A anchoring protein 6; AKAP-6; AKAP 100; A-kinase anchor protein 100 kDa; protein kinase A-anchoring protein 6; ADAP100; MGC165020;
Gene ID	9472
mRNA Refseq	NM_004274
Protein Refseq	NP_004265
MIM	604691
UniProt ID	Q13023
Chromosome Location	14q12
Pathway	G Protein Signaling Pathways, organism-specific biosystem;

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Function	enzyme binding; protein N-terminus binding; protein complex scaffold; protein kinase A binding; protein kinase A binding; protein kinase A regulatory subunit binding; receptor binding;

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