

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	RAEVGKEVNGLPQTSSGCAENLEFTPSKLDSEKESGKPGESGMPEEHNAASAKS KVQDLSLKANQPTDKAALHP SPKTLTCEENLLNLHEKRHRNMH
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);

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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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