

Recombinant Human AKAP6, GST-tagged

Cat. No. AKAP6-9523H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human AKAP6 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 1-350a.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.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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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;
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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