

Recombinant Human AKAP7

Cat. No. AKAP7-26524TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human AKAP7 produced in <i>Saccharomyces cerevisiae</i> ; amino acids 1-81; 81 amino acids, 8.9kDa. Protein has a 26 kDa proprietary tag.
Species	Human
ProteinLength	1-81 a.a.
Description	This gene encodes a member of the A-kinase anchoring protein (AKAP) family, a group of functionally related proteins that bind to a regulatory subunit (RII) of cAMP-dependent protein kinase A (PKA) and target the enzyme to specific subcellular compartments. AKAPs have a common RII-binding domain, but contain different targeting motifs responsible for directing PKA to distinct intracellular locations. Three alternatively spliced transcript variants encoding different isoforms have been described.
Tissue specificity	Expressed in brain, heart, lung, pancreas and skeletal muscle.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

 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

Sequences of amino acids	MGQLCCFPFSRDEGKISEKNGGEPDDAELVRLSKRLVENA VLKAVQQYLEETQNK NKPGE GSSVKTEAADQNGNDNEN NRK
Full Length	Full L.
GENE INFORMATION	
Gene Name	AKAP7 A kinase (PRKA) anchor protein 7 [Homo sapiens]
Official Symbol	AKAP7
Synonyms	AKAP7; A kinase (PRKA) anchor protein 7; A-kinase anchor protein 7 isoform gamma; AKAP15; AKAP18;
Gene ID	9465
mRNA Refseq	NM_004842
Protein Refseq	NP_004833
MIM	604693
Uniprot ID	O43687
Chromosome Location	6q22-q24
Pathway	G Protein Signaling Pathways, organism-specific biosystem;
Function	AMP binding; catalytic activity; protein C-terminus binding; protein complex scaffold; protein domain specific binding;

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