

Recombinant Human AKAP7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AKAP7-1068H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AKAP7 MS Standard C13 and N15-labeled recombinant protein (NP_619539) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	11.3 kDa
AA Sequence	MGQLCCFPFSRDEGKISELESSSSAVLQRYSKDIPSWSSGEKNGGEPDDAELVRLS KRLVENAVLKAVQQYLEETQNKNKPGEGSSVKTEAADQNGNDNENNRKTRTRPLE QKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [AKAP7 A-kinase anchoring protein 7 \[Homo sapiens \(human\) \]](#)

Official Symbol [AKAP7](#)

Synonyms AKAP7; A kinase (PRKA) anchor protein 7; A-kinase anchor protein 7 isoform gamma; AKAP15; AKAP18; AKAP 18; PRKA7 isoform gamma; AKAP-7 isoform gamma; PRKA7 isoforms alpha/beta; A-kinase anchor protein 9 kDa; A-kinase anchor protein 18 kDa; AKAP-7 isoforms alpha and beta; A-kinase anchor protein 7 isoforms alpha and beta;

Gene ID [9465](#)

mRNA Refseq [NM_138633](#)

Protein Refseq [NP_619539](#)

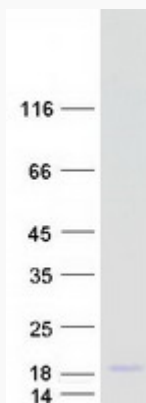
MIM [604693](#)

UniProt ID [O43687](#)

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SDS-PAGE

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