

Recombinant Human AKAP3 Protein, His-tagged

Cat. No. AKAP3-108H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human AKAP3 Protein (Met1-Ser176) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ser176
Description	<p>This gene encodes a member of A-kinase anchoring proteins (AKAPs), a family of functionally related proteins that target protein kinase A to discrete locations within the cell. The encoded protein is reported to participate in protein-protein interactions with the R-subunit of the protein kinase A as well as sperm-associated proteins. This protein is expressed in spermatozoa and localized to the acrosomal region of the sperm head as well as the length of the principal piece. It may function as a regulator of motility, capacitation, and the acrosome reaction.</p>
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.4 kDa Accurate Molecular Mass: 23 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	AKAP3 A kinase (PRKA) anchor protein 3 [Homo sapiens (human)]
Official Symbol	AKAP3
Synonyms	AKAP3; A kinase (PRKA) anchor protein 3; A-kinase anchor protein 3; AKAP110; cancer/testis antigen 82; CT82; Fibrous Sheath Protein of 95 kDa; FSP95; SOB1; AKAP-3; AKAP 110; fibrousheathin 1; fibrousheathin I; fibrousheathin-1; fibrous sheath protein, 95kDa; sperm oocyte-binding protein 1; A-kinase anchor protein 110 kDa; A-kinase anchor protein, 110kDa; protein kinase A anchoring protein 3; protein kinase A-anchoring protein 3; PRKA3
Gene ID	10566
mRNA Refseq	NM_006422
Protein Refseq	NP_006413

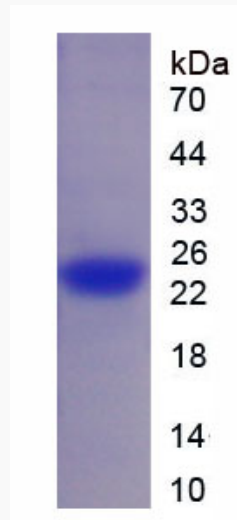
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