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Datasheet for ABIN7565177

**AKAP8L Protein (AA 1-642) (His tag)**

## Overview

Quantity:	1 mg
Target:	AKAP8L
Protein Characteristics:	AA 1-642
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AKAP8L protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Akap8l Protein expressed in mammalien cells.
Sequence:	MSYTGfVQGS ETTLQSTYCD TSAQPTCDYG YGTWNSGTNR GYENYGYGYG YGQDNTTNYG YGMATSHSWE MASSDTNANP SASGSASADS VLSRINQLD MMPHLETDMI QGGVYGS GGG ERYDSYEACD SRAILSERDL YRSSYDYGEL DPEMEMAYEG QYDAYRDQFR MRGGDTFGPR AQGWARDARS GRPMASGYGR MWEDPMGARG QCMPGASRLP SLFSQNIPE YGMFQGM RGG GAFSGGSRFG FGFNGMKQM RRTWKTWTTA DFRTK KKKRQ QGGSPDEPDS KATRTDCSDN SDSDNDEGTE GEAAEGTESA EAMEKGS RVD GEDEEGKEDG REEGKEDPEK GALTAQDESS QAKRKLQASK KSQDKQKKRQ RDRMVERIQF VC SLCKYRTF YEDEMGS HLD SKFHKEHFKY VGTKLPKQTA DFLQEYVTNK TKKTEELRKT VEDLDGLIQQ IYRDQDLTQE IAMEHFVKKV EAAHCAACDL FIPMQFGIIQ KHLKTMDHNR NRRLMMEQSK KSSLMVARS I LNNKLISKKL ERYLKGENPF TDNPEEEKEQ DEVEAGALDE GAPSEATELT EGVPAQPPVP LEPAPGTTTP PPPPPEEEEE SPVPLLGGAL QCQIRGIPGL DMEDDEEGGG GP <b>Sequence without tag. The</b>

**proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

### Grade:

custom-made

## Target Details

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### Target:

AKAP8L

### Alternative Name:

Akap8l ([AKAP8L Products](#))

### Background:

A-kinase anchor protein 8-like (AKAP8-like protein) (Neighbor of A-kinase-anchoring protein 95) (Neighbor of AKAP95),FUNCTION: Could play a role in constitutive transport element (CTE)-mediated gene expression by association with DHX9. Increases CTE-dependent nuclear unspliced mRNA export. Proposed to target PRKACA to the nucleus but does not seem to be implicated in the binding of regulatory subunit II of PKA. May be involved in nuclear envelope breakdown and chromatin condensation. May be involved in anchoring nuclear membranes to chromatin in interphase and in releasing membranes from chromatin at mitosis. May regulate the initiation phase of DNA replication when associated with TMPO isoform Beta. Required for cell cycle G2/M transition and histone deacetylation during mitosis. In mitotic cells recruits HDAC3 to the vicinity of chromatin leading to deacetylation and subsequent phosphorylation at

## Target Details

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'Ser-10' of histone H3, in this function seems to act redundantly with AKAP8. May be involved in regulation of pre-mRNA splicing (By similarity). {ECO:0000250|UniProtKB:Q9ULX6}.

Molecular Weight: 71.5 kDa

UniProt: [Q9R0L7](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months