

Product datasheet for PH300233

AKAP8L (NM_014371) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AKAP8L MS Standard C13 and N15-labeled recombinant protein (NP_055186)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200233
Predicted MW:	71.6 kDa
Protein Sequence:	>RC200233 protein sequence Red=Cloning site Green=Tags(s)

MSYTGfVQGSSETTLQSTYSdtsAQPTCDYGYGTWNSGTNRGYEGYGYGYGQDNTTNYGYGMATSHSWE
MPSSDTNANTSASGSASADSVLSRINQRLDMVPHLETMMQGGVYGGGERYDSYESCDsRAVLSERDLY
RSGYDYSELDPeMEMAYEGQYDAYRDQFRMRGNDTFGPRAQGWARDARSGRPMASGYGRMWEDPMGARGQ
CMsGASRLPSLFSQNIIPeYGMFQGMRGGAFFGGSRFGFGNGMKQMRRTWKTWTTADFRTKKKKRkQ
GGSPDEPDSKATRTDCSDNSDSNDegTEGEATEGLEGTEAVEKGSrVDGEDEEGKEDGREGKEDPEKG
ALTTQDENgQTKRKLQAGKKSQDKQKKRQRDRMVERIQFVCSLCKYRTFYEDEMASHLDSKFHKEHFkYV
GTKLpKQTADFLQeYVTNKTKKTEELRKTVEDLDGLIQQIYRDQDLTQEIAMEHFVKKVEAAHCAACDLF
IPMQFGIIQKHLKTMdHNRNRRLMMEQSKKSSLMVARSILNNKLISKKLERYLKGENPFTDSPEEEKEQE
EAEGGALDEGAQGEAAAGISEGAEGVPAQPPVPEPAPGAVSPPPPPPEEEEEEGAVPLLGGALQRQIRGI
PGLDVEDDEEGGGAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_055186
RefSeq Size:	2231



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RefSeq ORF: 1938

Synonyms: HA95; HAP95; NAKAP; NAKAP95

Locus ID: 26993

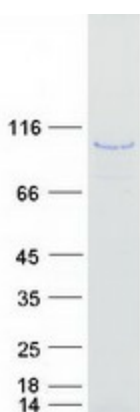
UniProt ID: [Q9ULX6](#)

Cytogenetics: 19p13.12

Summary: Could play a role in constitutive transport element (CTE)-mediated gene expression by association with DHX9. Increases CTE-dependent nuclear unspliced mRNA export (PubMed:10748171, PubMed:11402034). Proposed to target PRKACA to the nucleus but does not seem to be implicated in the binding of regulatory subunit II of PKA (PubMed:10761695, PubMed:11884601). 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 (PubMed:11034899). May regulate the initiation phase of DNA replication when associated with TMPO isoform Beta (PubMed:12538639). 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 'Ser-10' of histone H3; in this function seems to act redundantly with AKAP8 (PubMed:16980585). May be involved in regulation of pre-mRNA splicing (PubMed:17594903).[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified AKAP8L protein (Cat# [TP300233]). The protein was produced from HEK293T cells transfected with AKAP8L cDNA clone (Cat# [RC200233]) using MegaTran 2.0 (Cat# [TT210002]).