

Product datasheet for TP300233L

AKAP8L (NM_014371) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human A kinase (PRKA) anchor protein 8-like (AKAP8L), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC200233 protein sequence

Clone or AA **Red**=Cloning site **Green**=Tags(s)

Sequence:

MSYTGFBVQGSSETLQSTYSQPTCDYGYGTWNSGTNRGYEGYGYGYGQDNTTNYGYGMATSHSWE
MPSSDTNANTSASGSASADSVLSRINQRLDMVPHLETMMQGGVYGGGERYSYSCDSRAVLSERDLY
RSGYDYSELDPPEMAYEGQYDAYRDQFRMRGNDTFGPRAQGWWARDARSGRPMASGYGRMWEDPMGARGQ
CMMSGASRLPSLFSQNIPEYGMFQGMRGGGAFPGGSRFGFGNGMKQMRRTWKTWTTADFRTKKKKRQ
GGSPDEPDSKATRTDCSDNSDSDNDEGTEGEATEGLEGTEAVEKGSRVGDEDEEGKEDGREGKEDPEKG
ALTTQDENGQTKRKLQAGKKSQDKQKKRQRDRMVERIQFVCSLCKYRTFYEDEMASHLDSKFHKEHFYV
GTKLPKQTADFLQEYVTNKTKKTEELRKTVEDLDGLIQIYRDQDLTQEIAHEHFVKKVEAAHCAACDLF
IPMQFGIHKHLKTMHDHNRRLMMEQSKKSSLMVARSILNKLISKLERYLKGEPFTDSPEEEKEQE
EAEGGALDEGAQGEAAGISEGAEGVPAQPPVPEPAPGAVSPPPPPPEEEEEGAVPLLGGALQRQIRGI
PGLDVEDDEEGGGAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 71.5 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_055186
Locus ID:	26993
UniProt ID:	Q9ULX6
RefSeq Size:	2231
Cytogenetics:	19p13.12
RefSeq ORF:	1938
Synonyms:	HA95; HAP95; NAKAP; NAKAP95
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]).