

Product datasheet for PH313040

AKAP7 (NM_004842) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AKAP7 MS Standard C13 and N15-labeled recombinant protein (NP_004833)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213040
Predicted MW:	8.8 kDa
Protein Sequence:	>RC213040 representing NM_004842 Red=Cloning site Green=Tags(s) MGQLCCFPFSRDEGKISEKNGGEPDDAELVRLSKRLVENAVLKAVQQYLEETQNKPKGEGSSVKTEAAD QNGNDNENNRK 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_004833
RefSeq Size:	2279
RefSeq ORF:	243
Synonyms:	AKAP15; AKAP18
Locus ID:	9465
UniProt ID:	O43687 , Q2TAJ5 , Q6P4D3
Cytogenetics:	6q23.2



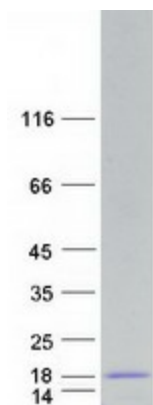
[View online »](#)

Summary:

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.[provided by RefSeq, Apr 2011]

Protein Families:

Druggable Genome

Product images:

Coomassie blue staining of purified AKAP7 protein (Cat# [TP313040]). The protein was produced from HEK293T cells transfected with AKAP7 cDNA clone (Cat# [RC213040]) using MegaTran 2.0 (Cat# [TT210002]).