

Product datasheet for PH323812

AKAP7 (NM_138633) Human Mass Spec Standard

Product data:

| | |
|---------------------------------------|--|
| Product Type: | Mass Spec Standards |
| Description: | AKAP7 MS Standard C13 and N15-labeled recombinant protein (NP_619539) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC223812 |
| Predicted MW: | 11.3 kDa |
| Protein Sequence: | >RC223812 representing NM_138633 Red=Cloning site Green=Tags(s) MGQLCCFPFSRDEGKISELESSSSAVLQRYSKDIPSWSSGEKNGGEPDDAELVRLSKRLVENAVLKAVQQ YLEETQNKKNKPGEGSSVKTEAADQNGNDNENNRK 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_619539 |
| RefSeq Size: | 2348 |
| RefSeq ORF: | 312 |
| Synonyms: | AKAP15; AKAP18 |
| Locus ID: | 9465 |
| UniProt ID: | O43687 , Q2TAJ5 |
| Cytogenetics: | 6q23.2 |



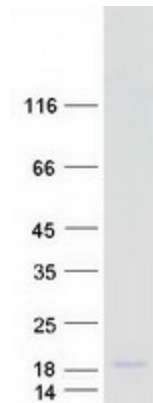
[View online »](#)

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# [TP323812]). The protein was produced from HEK293T cells transfected with AKAP7 cDNA clone (Cat# [RC223812]) using MegaTran 2.0 (Cat# [TT210002]).