

## Product datasheet for PH315337

### AHNAK (NM\_024060) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	AHNAK MS Standard C13 and N15-labeled recombinant protein (NP_076965)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215337
Predicted MW:	15.9 kDa
Protein Sequence:	>RC215337 representing NM_024060 Red=Cloning site Green=Tags(s)  MEKEETTRELLLPNWQSGSGSHGLTIAQRDDGVFVQEVTQNSPAARTGVVKEGDQIVGATIYFDNLQSGEV TQLLNTMGHHTVGLKLRKGRSPEPGQWTREVFSSCSSEVFLNTPQPSALECKDQNKQKEASSQAGAV SVSTPNAGL  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_076965</a>
RefSeq Size:	1108
RefSeq ORF:	447
Synonyms:	AHNAKRS; PM227
Locus ID:	79026
UniProt ID:	<a href="#">Q09666</a> , <a href="#">Q9BVU3</a>



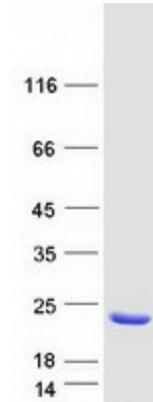
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Cytogenetics: 11q12.3

**Summary:** The protein encoded by this gene is a large (700 kDa) structural scaffold protein consisting of a central domain with 128 aa repeats. The encoded protein may play a role in such diverse processes as blood-brain barrier formation, cell structure and migration, cardiac calcium channel regulation, and tumor metastasis. A much shorter variant encoding a 17 kDa isoform exists for this gene, and the shorter isoform initiates a feedback loop that regulates alternative splicing of this gene. [provided by RefSeq, Oct 2016]

**Protein Families:** Protease

### Product images:



Coomassie blue staining of purified AHNAK protein (Cat# [TP315337]). The protein was produced from HEK293T cells transfected with AHNAK cDNA clone (Cat# [RC215337]) using MegaTran 2.0 (Cat# [TT210002]).