

## Product datasheet for PH301782

### AHA1 (AHS1) (NM\_012111) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	AHS1 MS Standard C13 and N15-labeled recombinant protein (NP_036243)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201782
Predicted MW:	38.3 kDa
Protein Sequence:	>RC201782 protein sequence Red=Cloning site Green=Tags(s)  MAKWGEGDPRWIVEERADATNVNWHWTERDASNWSTDKLTFLAVQVQNEEGKCEVTEVSKLDGEASI NNRKGKLIFFYEWSVKLNWTGTSKSGVQYKGHVEIPNLSDENSVDEVEISVSLAKDEPDNLVALMKEEG VKLLREAMGIYISTLKTEFTQGMILPTMNGESVDPVGPALKTEERKAKPAPSKTQARPVGVKIPTCKIT LKETFLTSPEELYRVFTTQELVQAFTHAPATLEADRGGKFHMVDGNVSGEFTDLVPEKHI VMKWRFKSWP EGHFATITLTFIDKNGETELCMEGRGIPAPEEERTRQGWQRYFEGIKQTFGYGARLF  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:	<u><a href="#">NP_036243</a></u>
RefSeq Size:	1429
RefSeq ORF:	1014
Synonyms:	AHA1; C14orf3; hAha1; p38
Locus ID:	10598



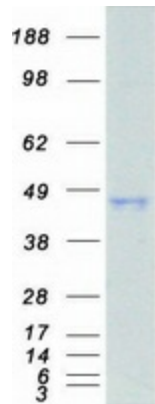
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UniProt ID: [O95433](#)

Cytogenetics: 14q24.3

**Summary:** Acts as a co-chaperone of HSP90AA1 (PubMed:29127155). Activates the ATPase activity of HSP90AA1 leading to increase in its chaperone activity (PubMed:29127155). Competes with the inhibitory co-chaperone FNIP1 for binding to HSP90AA1, thereby providing a reciprocal regulatory mechanism for chaperoning of client proteins (PubMed:27353360). Competes with the inhibitory co-chaperone TSC1 for binding to HSP90AA1, thereby providing a reciprocal regulatory mechanism for chaperoning of client proteins (PubMed:29127155). [UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified AHSA1 protein (Cat# [TP301782]). The protein was produced from HEK293T cells transfected with AHSA1 cDNA clone (Cat# [RC201782]) using MegaTran 2.0 (Cat# [TT210002]).