

## Product datasheet for PH301354

### ARD1A (NAA10) (NM\_003491) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NAA10 MS Standard C13 and N15-labeled recombinant protein (NP_003482)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201354
Predicted MW:	26.5 kDa
Protein Sequence:	>RC201354 protein sequence Red=Cloning site Green=Tags(s)  MNIRNARPEDLMNMQHCNLLCLPENYQMKYYFYHGLSWPQLSYIAEDENGKIVGVVLAKMEEDPDDVPHG HITSLAVKRSHRRLGLAQKLMQASRAMIENFNAYVSLHVRKSNRAALHLYSNTLNFQISEVEPKYYAD GEDAYAMKRDLTQMADELRRHLELKEKGRHVVLGAIENKVESKGNSSPSSGEACREEKGLAAEDSGGDSK DLSEVSETTESTDVKDSSEASDSAS  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- <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_003482</a>
RefSeq Size:	1136
RefSeq ORF:	705
Synonyms:	ARD1; ARD1A; ARD1P; DXS707; hARD1; MCOPS1; NATD; OGDNS; TE2
Locus ID:	8260
UniProt ID:	<a href="#">P41227</a>



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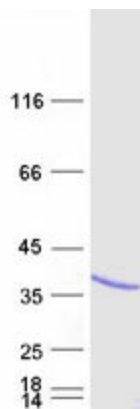
**Cytogenetics:** Xq28

**Summary:** N-alpha-acetylation is among the most common post-translational protein modifications in eukaryotic cells. This process involves the transfer of an acetyl group from acetyl-coenzyme A to the alpha-amino group on a nascent polypeptide and is essential for normal cell function. This gene encodes an N-terminal acetyltransferase that functions as the catalytic subunit of the major amino-terminal acetyltransferase A complex. Mutations in this gene are the cause of Ogden syndrome. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2012]

**Protein Families:** Druggable Genome

**Protein Pathways:** Glycerophospholipid metabolism, Limonene and pinene degradation, Phenylalanine metabolism, Tyrosine metabolism

### Product images:



Coomassie blue staining of purified NAA10 protein (Cat# [TP301354]). The protein was produced from HEK293T cells transfected with NAA10 cDNA clone (Cat# [RC201354]) using MegaTran 2.0 (Cat# [TT210002]).