

Recombinant Human NAA10 cell lysate

Cat. No. NAA10-002HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NAA10 / ARD1A derived in Baculovirus-Insect cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Human
Source	Insect Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

 Tel: 1-631-559-9269 1-516-512-3133

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	reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.
GENE INFORMATION	
Gene Name	NAA10 N(alpha)-acetyltransferase 10, NatA catalytic subunit [Homo sapiens]
Official Symbol	NAA10
Synonyms	NAA10; N(alpha)-acetyltransferase 10, NatA catalytic subunit; ARD1, ARD1 homolog A, N acetyltransferase (S. cerevisiae) , ARD1 homolog, N acetyltransferase (S. cerevisiae) , ARD1A; N-alpha-acetyltransferase 10; DXS707; TE2; ARD1 homolog A, N-acetyltransferase; N-acetyltransferase ARD1, human homolog of; N-alpha-acetyltransferase 10, NatA catalytic subunit; N-terminal acetyltransferase complex ARD1 subunit homolog A; ARD1; NATD; ARD1A; FLJ78896; MGC71248;
Gene ID	8260
mRNA Refseq	NM_001256119
Protein Refseq	NP_001243048
MIM	300013

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UniProt ID	P41227
Chromosome Location	Xq28
Pathway	Hypoxic and oxygen homeostasis regulation of HIF-1-alpha, organism-specific biosystem;
Function	N-acetyltransferase activity; contributes_to acetyltransferase activity; peptide alpha-N-acetyltransferase activity; protein binding; contributes_to ribosome binding; transferase activity, transferring acyl groups;

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