

# Recombinant Human NAA10, His-tagged

**Cat. No.** NAA10-26531TH    **Lot. No.** (See product label)

## SPECIFICATION

|                           |                                                                                                                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant full length Human ARD1A with an N terminal His tag; 255 amino acids with tag, Predicted MWt 28.6 kDa.                                                                                              |
| <b>Species</b>            | Human                                                                                                                                                                                                          |
| <b>Source</b>             | E.coli                                                                                                                                                                                                         |
| <b>ProteinLength</b>      | 235 amino acids                                                                                                                                                                                                |
| <b>Description</b>        | N-alpha-acetylation is one of the most common protein modifications that occurs during protein synthesis and involves the transfer of an acetyl group from acetyl-coenzyme A to the protein alpha-amino group. |
| <b>Conjugation</b>        | HIS                                                                                                                                                                                                            |
| <b>Molecular Weight</b>   | 28.600kDa inclusive of tags                                                                                                                                                                                    |
| <b>Tissue specificity</b> | Ubiquitous.                                                                                                                                                                                                    |
| <b>Form</b>               | Liquid                                                                                                                                                                                                         |
| <b>Purity</b>             | >90% by SDS-PAGE                                                                                                                                                                                               |
| <b>Storage buffer</b>     | pH: 8.00 Constituents: 0.32% Tris HCl, 0.08% DTT, 10% Glycerol, 1.17% Sodium chloride                                                                                                                          |

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|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>                  | Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.                                                                                                                                                                      |
| <b>Sequences of amino acids</b> | MGSSHHHHHHSSGLVPRGSHMNIRNARPEDLMNMQHCNLL CLPENYQMKYYFYH<br>GLSWPQLSYIAEDENGKIVGYVLA KMEEDPDDVPHGHITSLAVKRSHRRLGLAQKL<br>MDQASRAM IENFNAKYVSLHVRKSNRAALHLYSNTLNFQISEVEPK YYADGEDAYA<br>MKRDLTQMADELRRHLELKEKGRHVVLGAI ENKVESKGNSPSSGEACREEKGLA<br>AEDSGGDSKDLSE VSETTESTDVKDSSEASDSAS |
| <b>Sequence Similarities</b>    | Belongs to the acetyltransferase family. ARD1 subfamily. Contains 1 N-acetyltransferase domain.                                                                                                                                                                                      |
| <b>GENE INFORMATION</b>         |                                                                                                                                                                                                                                                                                      |
| <b>Gene Name</b>                | NAA10 N(alpha)-acetyltransferase 10, NatA catalytic subunit [ Homo sapiens ]                                                                                                                                                                                                         |
| <b>Official Symbol</b>          | NAA10                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>                 | 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;                                                      |
| <b>Gene ID</b>                  | 8260                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>              | NM_003491                                                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>           | NP_003482                                                                                                                                                                                                                                                                            |
| <b>MIM</b>                      | 300013                                                                                                                                                                                                                                                                               |
| <b>Uniprot ID</b>               | P41227                                                                                                                                                                                                                                                                               |

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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Chromosome Location</b> | Xq28                                                                                                                                                                   |
| <b>Pathway</b>             | Hypoxic and oxygen homeostasis regulation of HIF-1-alpha, organism-specific biosystem;                                                                                 |
| <b>Function</b>            | N-acetyltransferase activity; contributes_to acetyltransferase activity; peptide alpha-N-acetyltransferase activity; protein binding; contributes_to ribosome binding; |

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