

# Recombinant Full Length Human NAA10 Protein, GST-tagged

**Cat. No.** NAA10-1065HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Product Overview</b> | Human ARD1 full-length ORF ( AAH00308, 1 a.a. - 235 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 235 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 51.59 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MNIRNARPED LMNMQHCNLL CLPENYQMKY YFYHGLSWPQ LSYIAEDENG<br>KIVGYVLAKM EEDPDDVPHG HITSLAVKRS HRRGLAQKL MDQASRAMIE<br>NFNAKYVSLH VRKSNRAALH LYSNTLNFQI SEVEPKYYAD GEDAYAMKRD<br>LTQMADELRR HLELKEKGRH VVLGAIVENKV ESKGNPPSS GEACREEKGL<br>AAEDSGGDSK DLSEVSETTE STDVKDSSEA SDSAS                                                                                                                                                                                                                                                                                                              |

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| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                  |
| <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; 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 |
| <b>Gene ID</b>          | 8260                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>      | NM_001256119                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>   | NP_001243048                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>MIM</b>              | 300013                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>       | P41227                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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