# Recombinant Human NAT1 protein, His-tagged

**Cat. No.** NAT1-4578H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human NAT1 protein(P18440)(1-290 aa), fused with N-terminal His tag, was expressed in E.coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 1-290 aa |
| **Form** | For liquid formulations, the standard storage buffer consists of a Tris or PBS based solution supplemented with 5-50% glycerol. When provided as lyophilized powder, the product undergoes freeze-drying from a Tris- or PBS-based formulation containing 6% trehalose, adjusted to pH 8.0 prior to the lyophilization process. |
| **Molecular Mass** | 38.0 kDa |
| **AASequence** | MDIEAYLERIGYKKSRNKLDLETLTDILQHQIRAVPFENLNIHCGDAMDLGLEAIFDQV VRRNRGGWCLQVNHLLYWALTTIGFETTMLGGYVYSTPAKKYSTGMIHLLLQVTIDG RNYIVDAGFGRSYQMWQPLELISGKDQPQVPCVFRLTEENGFWYLDQIRREQYIPN EEFLHSDLLEDSKYRKIYSFTLKPRTIEDFESMNTYLQTSPSSVFTSKSFCSLQTPDG VHCLVGFTLTHRRFNYKDNTDLIEFKTLSEEEIEKVLKNIFNISLQRKLVPKHGDRFFTI |
| **Purity** | Greater than 85% as determined by SDS-PAGE. |
| **Storage** | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid |

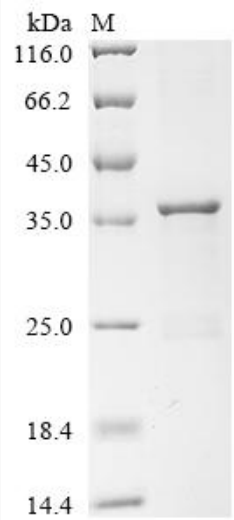
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| | repeated freeze-thaw cycles. |
| **Reconstitution** | Please reconstitute protein indeionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot for long-term storage at -80°C. |

## GENE INFORMATION

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| **Gene Name** | NAT1 N-acetyltransferase 1 (arylamine N-acetyltransferase) [ Homo sapiens ] |
| **Official Symbol** | NAT1 |
| **Synonyms** | NAT1; N-acetyltransferase 1 (arylamine N-acetyltransferase); AAC1; arylamine N-acetyltransferase 1; arylamide acetylase 1; N-acetyltransferase type 1; monomorphic arylamine N-acetyltransferase; MNAT; NATI; NAT-1; |
| **Gene ID** | 9 |
| **mRNA Refseq** | NM_000662 |
| **Protein Refseq** | NP_000653 |
| **MIM** | 108345 |
| **UniProt ID** | P18440 |

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| **SDS-PAGE** |  |

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