

## Recombinant Human NAT2 Protein (1-290 aa), His-SUMO-tagged

**Cat. No.** NAT2-2061H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human NAT2 Protein (1-290 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length.                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-290 aa                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Participates in the detoxification of a plethora of hydrazine and arylamine drugs. Catalyzes the N- or O-acetylation of various arylamine and heterocyclic amine substrates and is able to bioactivate several known carcinogens.                                                                                 |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 49.5 kDa                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MDIEAYFERIGYKNSRNKLDLETLDILEHQIRAVPFENLNMHCGQAMELGLEAIFDHI<br>VRRNRGGWCLQVNQLLYWALTITIGFQTTMLGGYFYIPPVVKYSTGMVHLLQVTID<br>GRNYIVDAGSGSSSQMWQPLELISGKDQPQVPCIFCLTEERGIWYLDQIRREQYITN<br>KEFLNSHLLPKKKHQKIYLFLEPRTIEDFESMNTYLQTSPTSSFITTSFCSLQTPEGV<br>YCLVGFIITYRKFNKYKDNTDLVEFKLTETEEVEEVLKNIFKISLGRNLVPKPGDGSITI |

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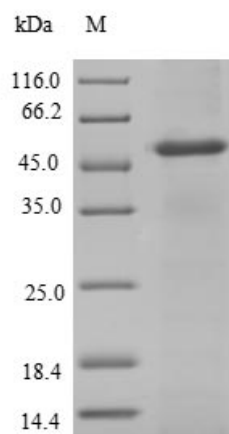
 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>          | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b>    | A hardcopy of COA with reconstitution instruction is sent along with the products.                                                                                                                                                                                                                                  |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | NAT2 N-acetyltransferase 2 (arylamine N-acetyltransferase) [ Homo sapiens ]                                                                                                                                                                                                                                         |
| <b>Official Symbol</b>  | NAT2                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>         | NAT2; AAC2; N-acetyltransferase type 2; PNAT; NAT-2;                                                                                                                                                                                                                                                                |
| <b>Gene ID</b>          | 10                                                                                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>      | NM_000015                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_000006                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>              | 612182                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>       | P11245                                                                                                                                                                                                                                                                                                              |

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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