

## Recombinant Human AADAC, His-tagged

**Cat. No.** AADAC-3650H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Arylacetamide deacetylase (AADAC)                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.Coli/Yeast                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 399                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | Microsomal arylacetamide deacetylase competes against the activity of cytosolic arylamine N-acetyltransferase, which catalyzes one of the initial biotransformation pathways for arylamine and heterocyclic amine carcinogens.                                                                                 |
| <b>Form</b>             | This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.                                                                                                                                                                               |
| <b>Purity</b>           | >90%                                                                                                                                                                                                                                                                                                           |
| <b>Notes</b>            | Small volumes of AADAC recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice. |
| <b>Storage</b>          | Store at -20 degree C. For extended storage, store at -20 or -80 degree C.                                                                                                                                                                                                                                     |
| <b>Storage Buffer</b>   | PBS pH 7.4, 50% glycerol                                                                                                                                                                                                                                                                                       |

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**Warning**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GENE INFORMATION**

|                            |                                                                                                                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | AADAC arylacetamide deacetylase (esterase) [ Homo sapiens ]                                                                                                                         |
| <b>Official Symbol</b>     | AADAC                                                                                                                                                                               |
| <b>Synonyms</b>            | AADAC; arylacetamide deacetylase (esterase); arylacetamide deacetylase; CES5A1; DAC;                                                                                                |
| <b>Gene ID</b>             | 13                                                                                                                                                                                  |
| <b>mRNA Refseq</b>         | NM_001086                                                                                                                                                                           |
| <b>Protein Refseq</b>      | NP_001077                                                                                                                                                                           |
| <b>MIM</b>                 | 600338                                                                                                                                                                              |
| <b>UniProt ID</b>          | P22760                                                                                                                                                                              |
| <b>Chromosome Location</b> | 3q21.3-q25.2                                                                                                                                                                        |
| <b>Function</b>            | carboxylesterase activity; catalytic activity; deacetylase activity; lipase activity; retinyl-palmitate esterase activity; serine hydrolase activity; triglyceride lipase activity; |

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