

## Recombinant Rat HAAO protein(Met1-Gly286), His-tagged

Cat. No. HAAO-1128R    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat HaaO (NP_064461.1) (Met1-Gly286) was expressed in E. coli with a polyhistidine tag at the N-terminus.                                                                                                                           |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Met1-Gly286                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                  |
| <b>Molecular Mass</b>   | The recombinant Rat HaaO consists 304 amino acids and predicts a molecular mass of 34.8 kDa.                                                                                                                                                    |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE.                                                                                                                                                                                                               |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                   |

### GENE INFORMATION

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|                 |                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | HaaO 3-hydroxyanthranilate 3,4-dioxygenase [ Rattus norvegicus ]                                                                 |
| Official Symbol | HAAO                                                                                                                             |
| Synonyms        | HAAO; 3-hydroxyanthranilate 3,4-dioxygenase; HAD; 3-HAO; 3-hydroxyanthranilate oxygenase; 3-hydroxyanthranilic acid dioxygenase; |
| Gene ID         | 56823                                                                                                                            |
| mRNA Refseq     | NM_020076                                                                                                                        |
| Protein Refseq  | NP_064461                                                                                                                        |

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