

## Recombinant Mouse Kyat3 Protein, Myc/DDK-tagged

**Cat. No.** Kyat3-3739M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length kynurenine aminotransferase 3 (Kyat3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Catalyzes the irreversible transamination of the L-tryptophan metabolite L-kynurenine to form kynurenic acid (KA). May catalyze the beta-elimination of S-conjugates and Se-conjugates of L-(seleno)cysteine, resulting in the cleavage of the C-S or C-Se bond. Has transaminase activity towards L-kynurenine, tryptophan, phenylalanine, serine, cysteine, methionine, histidine, glutamine and asparagine with glyoxylate as an amino group acceptor (in vitro). Has lower activity with 2-oxoglutarate as amino group acceptor (in vitro). |
| <b>Molecular Mass</b>   | 47.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Kyat3 kynurenine aminotransferase 3 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Kyat3](#)

**Synonyms** Kyat3; kynurenine aminotransferase 3; KA; Kat; Ccbl; Kat3; Ccbl2; KATIII; kynurenine--oxoglutarate transaminase 3; cysteine conjugate-beta lyase 2; cysteine-S-conjugate beta-lyase 2; kynurenine aminotransferase III; kynurenine--glyoxylate transaminase; kynurenine--oxoglutarate transaminase III; EC 2.6.1.63; EC 2.6.1.7; EC 4.4.1.13

**Gene ID** [229905](#)

**mRNA Refseq** [NM\\_173763](#)

**Protein Refseq** [NP\\_776124](#)

**UniProt ID** [Q71RI9](#)

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