

Recombinant Mouse Kyat3 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length kynurenine aminotransferase 3 (Kyat3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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).
Molecular Mass	47.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>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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