

Recombinant Mouse Kyat1 Protein, Myc/DDK-tagged

Cat. No. Kyat1-3738M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length kynurenine aminotransferase 1 (Kyat1), 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). Metabolizes the cysteine conjugates of certain halogenated alkenes and alkanes to form reactive metabolites. Catalyzes 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.
Molecular Mass	47.6 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

GENE INFORMATION

Gene Name	Kyat1 kynurenine aminotransferase 1 [Mus musculus (house mouse)]
Official Symbol	Kyat1
Synonyms	Kyat1; kynurenine aminotransferase 1; KA; Gtk; Kat; Ccbl; Kat1; Katl; Ccbl1; AI182306; 2010009K05Rik; kynurenine--oxoglutarate transaminase 1; cysteine conjugate-beta lyase 1; cysteine-S-conjugate beta-lyase; cytoplasmic (glutamine transaminase K, kyneurenine aminotransferase); glutamine transaminase K; glutamine--phenylpyruvate transaminase; kynurenine aminotransferase I; kynurenine--oxoglutarate transaminase I; EC 2.6.1.64; EC 2.6.1.7; EC 4.4.1.13
Gene ID	70266
mRNA Refseq	NM_172404
Protein Refseq	NP_765992
UniProt ID	Q8BTY1

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