

Recombinant Rat Kyat3 Protein, His-tagged

Cat. No. Kyat3-1080R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Kyat3 Protein (Met1-Ser454) with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Ser454
Description	Predicted to enable kynurenine-glyoxylate transaminase activity; kynurenine-oxoglutarate transaminase activity; and protein homodimerization activity. Predicted to be involved in 2-oxoglutarate metabolic process and kynurenine metabolic process. Predicted to be active in mitochondrion. Orthologous to human KYAT3 (kynurenine aminotransferase 3).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 54.7 kDa; Accurate Molecular Mass: 55 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is

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less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

Kyat3 kynurenine aminotransferase 3 [*Rattus norvegicus* (Norway rat)]

Official Symbol

Kyat3

Synonyms

Kyat3; kynurenine aminotransferase 3; 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

541589

mRNA Refseq

NM_001015037

Protein Refseq

NP_001015037

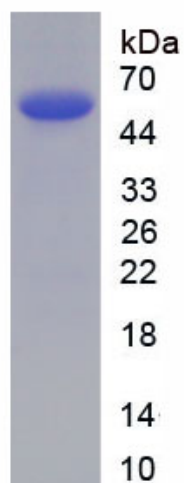
UniProt ID

Q58FK9

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