Recombinant Human KYAT1 Protein (Met1-Leu372), N-His tagged

Cat. No. KYAT1-3717H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KYAT1 (Met1-Leu372) fused with the N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Leu372
Description	This gene encodes a cytosolic enzyme that is responsible for the metabolism of cysteine conjugates of certain halogenated alkenes and alkanes. This metabolism can form reactive metabolites leading to nephrotoxicity and neurotoxicity. Increased levels of this enzyme have been linked to schizophrenia. Multiple transcript variants that encode different isoforms have been identified for this gene.
Form	Lyophilized powder/frozen liquid
Molecular Mass	44.86 kDa
Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8

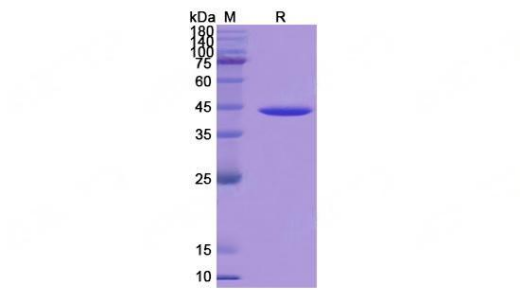
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	centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	0.01M PBS, pH 7.4, 0.02% NLS
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	KYAT1 kynurenine aminotransferase 1 [Homo sapiens (human)]
Official Symbol	KYAT1
Synonyms	KYAT1; kynurenine aminotransferase 1; GTK; KAT1; KATI; CCBL1; kynurenine--oxoglutarate transaminase 1; beta-lysase, kidney; cysteine conjugate beta lyase 1; cysteine conjugate-beta lyase, cytoplasmic; cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kyneurenine aminotransferase); cysteine-S-conjugate beta-lyase; glutamine transaminase K; glutamine--phenylpyruvate transaminase; glutamine-phenylpyruvate aminotransferase; kyneurenine aminotransferase; kynurenine aminotransferase I; kynurenine--oxoglutarate transaminase I; EC 2.6.1.64; EC 2.6.1.7; EC 4.4.1.13
Gene ID	883
mRNA Refseq	NM_004059
Protein Refseq	NP_004050
MIM	600547

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UniProt ID	Q16773
SDS-PAGE	

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