Recombinant Human KYAT1 Protein, His tagged

Cat. No. KYAT1-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KYAT1 Protein with His tag was expressed in Insect Cells.
Species	Human
Source	Insect Cells
ProteinLength	182-422 aa
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.
AASequence	MTPNNPLGKVFSREELELVASLCQQHDVVCITDEVYQWMVYDGHQHISIASLPGMW ERTLTIGSAGKTFSATGWKVGWVLGPDHIMKHLRTVHQNSVFHCPTQSQAAVAESF EREQLLFRQPSSYFVQFPQAMQRCRDHMIRSLQSVGLKPIIPQGSYFLITDISDFKRK MPDLPGAVDEPYDRRFVKWMIKNKGLVAIPVSIFYSVPHQKHFDHYIRFCFVKDEAT LQAMDEKLRKWKVELHHHHHHHH
Molecular Mass	29 kDa
Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 80% by SDS-PAGE

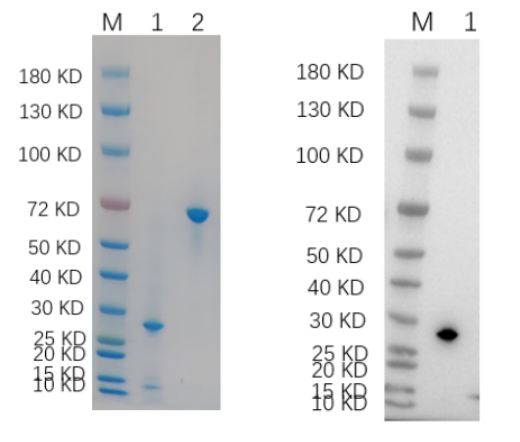
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH7.4, 10% Glycerol, 8% Trehalose
Concentration	0.76 mg/mL by BCA

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
UniProt ID	Q16773

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

SDS-PAGE and WB	 Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal Antibody) analysis profiles of purified KYAT1. 1. KYAT1: 1 μg 2. BSA: 1 μg

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