

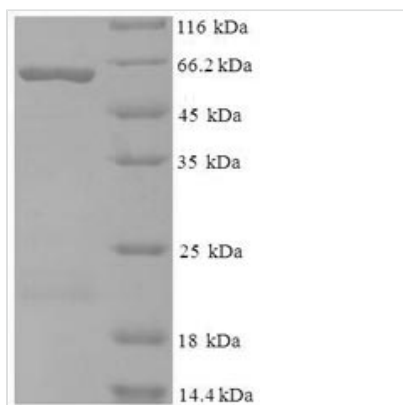


# Recombinant Human Kynurenine--oxoglutarate transaminase 1 (KYAT1)

<b>Product Code</b>	CSB-EP613699HU
<b>Relevance</b>	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.
<b>Abbreviation</b>	Recombinant Human KYAT1 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q16773
<b>Alias</b>	Cysteine-S-conjugate beta-lyase (EC:4.4.1.13)Glutamine transaminase K ;GTKGlutamine--phenylpyruvate transaminase (EC:2.6.1.64)Kynurenine aminotransferase I ;KATIKynurenine--oxoglutarate transaminase I
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MAKQLQARRLDGIDYNPWVEFVKLASEHDVVNLGQGFPDFPPDFAVEAFQH AVSGDFMLNQYTKTFVIIIPEFFDCYEPMTMMAGGRPVFVSLKPGPIQNGELGS SSNWQLDPMELAGKFTSRTKALVLNTPNPLGKVFSREELELVASLCQQHDV VCITDEVYQWMVYDGHQHISIASLPGMWERTLTIGSAGKTF SATGWKVGWVL GPDHIMKHLRTVHQNSVFHCPTQSQA AVAESFEREQLLFRQPSSYFVQFPQA MQRCDHMIRSLQSVGLKPIIPQGSYFLITDISDFKRKMPDLPGAVDEPYDRRF VKWMIKNKGLVAIPVSIFYSVPHQKHFDHYIRFCFVKDEATLQAMDEKLRKWK VEL
<b>Research Area</b>	Metabolism
<b>Source</b>	E.coli
<b>Target Names</b>	KYAT1
<b>Expression Region</b>	1-372aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	58.6kDa
<b>Protein Length</b>	Full Length of Isoform 2



## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

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