

Recombinant Full Length Human KYAT3 Protein, C-Flag-tagged

Cat. No. KYAT3-452HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human KYAT3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes an aminotransferase that transaminates kynurenine to form kynurenic acid, which is a metabolite of tryptophan. Multiple alternatively spliced transcript variants that encode different proteins have been described for this gene. This gene shares 5' exon structure with the RNA binding motif protein, X-linked-like 1 locus on chromosome 1, but the coding sequences are non-overlapping.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	51.2 kDa
AA Sequence	MFLAQRSLCSLSGRAKFLKTISSSKILGFSTSAKMSLKFTNAKRIEGLDSNVWIEFTKL AADPSVVNLGQ GFPDISPPTYVKEELSKIAAIDSLNQYTRGFGHPSLVKALSYLYEKL YQKQIDSNKEILVTVGAYGSLFN TIQALIDEGDEVILIVPFYDCYEPMVRMAGATPVFI PLRSKPVYGKRWSSSDWTLPQELESKFNSKTKA IILNTPHNPLGKVYNREELQVIA DLCIKYDTLCISDEVYEWLVYSGNKHCLKIATFPGMWERTITIGSAGK TFSVTGWKLG WSIGPNHLIKHLQTVQQNTIYTCATPLQEALAQAFWIDIKRMDDPECYFNSLPKELEV KR DRMVRLLESVGLKPIVPDGGYFIIADVSLLDPLSDMKNNEPYDYKFVKWMTKH

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	KKLSAIPVSAFCNSET KSQFEKFVRFCFIKKDSTLDAAEEIIKAWSVQKSTRTRPLEQKLISEEDLAANDILDYK DDDDKV
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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	KYAT3 kynurenine aminotransferase 3 [Homo sapiens (human)]
Official Symbol	KYAT3
Synonyms	KAT3; CCBL2; KATIII
Gene ID	56267
mRNA Refseq	NM_001008661.3
Protein Refseq	NP_001008661.1

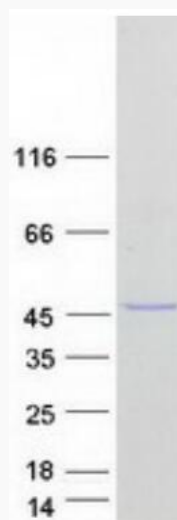
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MIM 610656

UniProt ID Q6YP21



Coomassie blue staining of purified KYAT3 protein.

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