

Product datasheet for **TP506747**

Kyat1 (NM_172404) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse kynurenine aminotransferase 1 (Kyat1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR206747 protein sequence
Red=Cloning site **Green**=Tags(s)

MSKQLQARRLEGIDHNPWVEFTRLSKEYDVVNLGQGFPDFSPDFAVQAFQQATTGNFMLNQYTSAFGYPLTKILASFFGKLLGQEMDPLKNVLTGAYGALFTAFQALVDEGDEVIIIIEPAFNCYEPMTMMAGRPV FVSLRSLPAPKGQLGSSNDWQLDPTTELASKFTPRTKILVLNTPNPLGKVFSKKELELVAALCQQHDVLC FSDEVYQWLVDGHQHISIASLPGMWERTLTIGSAGKSFSATGWKVGWVMGPDNIMKHLRTHVHQSIFHC PTQAQAAVAQCFFEREQQHFGQPSSYFLQLPQAMGLNRDHMIQSLQSVGLKPLIPQGSYFLIADISDFKSS MPDLPGAMDEPYDTRFAKWMIKNKGLSAIPVSTFYSPHKKDFDHYIRFCFVKDKATLQAMDKRLCSWKG EPQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 47.6 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_765992](#)

Locus ID: 70266



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UniProt ID:	<u>Q8BTY1</u> , <u>Q05CI8</u>
RefSeq Size:	1944
Cytogenetics:	2 B
RefSeq ORF:	1275
Synonyms:	2010009K05Rik; A1182306; Ccbl1; Gtk; Kat1; Katl
Summary:	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 (By similarity).[UniProtKB/Swiss-Prot Function]