

Product datasheet for **TP527631**

Kyat3 (NM_173763) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse kynurenine aminotransferase 3 (Kyat3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227631 representing NM_173763 Red =Cloning site Green =Tags(s)

MALKFKNAKRIEGLDSNVVVEFTKLAADPSVWNLGQGFPDISPPSYVKEELSKAAAFIDNMNQYTRGFGHP
ALVKALSCLYGKIYQRQIDPNEEILVAVGAYGSLFNISIQGLVDPGDEVIIMVPFYDCYEMVRMAGAVPV
FIPLRSKPTDGMKWTSSDWTDFPRELESKFSSKTKAIIINTPHNPLGKVIYTRQELQVIADLCVKHDTLCI
SDEVYEWLVYTGHTHVKIATLPGMWERTITIGSAGKTFSVTGWKLGWSIGPAHLIKHLQTVQQNSFYTCA
TPLQAALAEAFWIDIKRMDDPECYFNSLPKELEVKRDRMVRLNLSVGLKPIVPDGGYFIADVSSLGADL
SDMNSDEPYDYKFVKWMTKHKKLT AIPVSAFCDSKSKPHFEKLVRFCKFIKKDSTLDAEEIFRAWNSQKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	47.3 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_776124
Locus ID:	229905
UniProt ID:	Q71RI9



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RefSeq Size: 2279

Cytogenetics: 3 H1

RefSeq ORF: 1260

Synonyms: Ccbl2; Kat3; KATIII

Summary: Catalyzes the irreversible transamination of the L-tryptophan metabolite L-kynurenine to form kynurenic acid (KA). May catalyze 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). Has transaminase activity towards L-kynurenine, tryptophan, phenylalanine, serine, cysteine, methionine, histidine, glutamine and asparagine with glyoxylate as an amino group acceptor (in vitro). Has lower activity with 2-oxoglutarate as amino group acceptor (in vitro). [UniProtKB/Swiss-Prot Function]