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Product datasheet for MC227784

Kyat3 (NM_001293560) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kyat3 (NM_001293560) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kyat3
Synonyms:	Ccbl2; Kat3; KATIII
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

Fully Sequenced ORF:

>MC227784 representing NM_001293560
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTTTTGGCCCAGAGGAGACTCATCTCCCTTGGCTGCAGATCAAAGCCCATAAAGACAATTTACTCTT
CTTCGAAAGTCCTCGGACTCTGCACTTCTGCCAAAATGGCTTTGAAATTCAAAAACGCCAAACGAATCGA
AGGCCTGGACAGCAATGTGTGGGTTGAATTTACTAAGTTGGCTGCGGATCCTTCTGTGGTGAACCTTGGA
CAAGGCTTTCCAGATATATCCCCTCCTTCATACGTAAAAGAAGAGTTATCAAAGGCTGCATTTATTGATA
ACATGAATCAATACACAAGAGGCTTTGGTCATCCAGCACTTGTGAAAGCTCTGTCCTGCTTATATGGAAA
GATTTATCAACGTCAAATTGATCCAAACGAAGAAATCCTTGTGGCCGTGGGGGCATATGGATCTCTCTTT
AACTCCATCCAAGGATTGGTGGACCCAGGAGATGAAGTGATAATTATGGTGCCTTTTTACGACTGTTATG
AGCCCATGGTGAGAATGGCCGGAGCAGTGCCTGTGTTTATTCCCCTGAGATCTAAACCTACTGACGGGAT
GAAGTGGACTAGCTCTGACTGGACATTCGATCCTCGAGAACTGGAAAGTAAATTCAGTTCCAAAACGAAA
GCCATAATATTAAATACTCCACACAACCCCCTCGGCAAGGTGTATACCAGACAGGAGCTGCAAGTCATTG
CTGACCTTTGCGTCAAGCACGACACTCTGTGCATCAGCGATGAGGTTTATGAATGGCTTGTCTATACTGG
ACATACGCACGTAAAAATAGCCACTCTTCCAGGTATGTGGGAGAGAACAATAACAATAGGAAGTGCTGGC
AAGACATTCAGTGTGACTGGCTGGAAGCTCGGCTGGAGCATTGGCCCTGCTCACCTGATAAAGCATTTAC
AGACCGTTCAACAGAACAGTTTTTACACGTGTGCGACTCCTTTACAGGCAGCCTTGGCCGAGGCGTTTTG
GATCGATATCAAGCGCATGGATGACCCTGAGTGTTACTTTAATTCTCTGCCAAAGGAATTAGAAGTAAAG
AGAGATCGGATGGTCCGTTTACTTAACAGCGTTGGCCTGAAACCCATTGTTCCTGACGGGGGTTACTTCA
TCATTGCTGATGTGTCTTCATTAGGTGCTGACCTCTCGGACATGAACAGCGATGAGCCTTATGACTATAA
GTTTGTGAAGTGGATGACGAAACATAAGAAACTGACAGCCATTCCTGTTTCTGCCTTCTGCGACTCCAAG
TCTAAACCACACTTTGAGAAGCTGGTGCGGTTTTGCTTTATTAAAAAAGACAGCACACTGGATGCTGCCG
AAGAAATCTTCAGGGCCTGGAACAGCCAGAAGTCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001293560

Insert Size: 1368 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001293560.1, NP_001280489.1
RefSeq Size:	2275 bp
RefSeq ORF:	1368 bp
Locus ID:	229905
UniProt ID:	Q71RI9
Cytogenetics:	3 H1
Gene 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] Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1).