

Product datasheet for **MC217873**

Kynu (BC026950) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kynu (BC026950) Mouse Untagged Clone
Tag: Tag Free
Symbol: Kynu
Synonyms: 4432411A05Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC026950
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCCTTCGCCTCTGAGCTTCCAGTTGATGCAGTGCAGGCGGCATCGCGGCTGAACTCAATTGTGACC
CAACAGATGAGAGGGTTGCTCTCCGCTTGATGAGGAAGATAAACTGAGTCATTTAGGAACTGTTTTTA
TATTCCAAAATGCGGGACCTGCCTTCAATTGATCTATCTTTAGTGAGTGAGGATGATGATGCCATCTAT
TTCTGGGAAATTCCTTGGCCTTCAACCGAAAATGGTTAGGACATACCTGGAGGAAGAACTAGATAAGT
GGCCAAGATGGGAGCCTATGGCCATGATGTAGGCAAACGCCCTTGGATTGTAGGGGATGAGAGTATTGT
AAGCCTTATGAAGGACATTGTAGGAGCCATGAGAAAAGAAATAGCTCTAATGAATGCTTTGACTATTAAT
TTACATCTCCTGCTGTTATCATTCTTTAAGCCTACTCCAAAGCGGCACAAAATCTTCTAGAAGCCAAAG
CCTTCCCTTCTGATCATTATGCTATTGAGTCACAGATTCAACTTCACGGACTTGATGTTGAGAAAAGTAT
GCGGATGGTAAAGCCACGAGAGGGGAAGAGACCTAAGGATGGAGGACATACTGGAAGTAATCGAGGAG
GAAGGAGACTCGATCGCCGTGATCCTGTTGAGTGGCTGCACTTTTATACTGGACAGCTGTTCAACATTC
CTGCCATAACAAAAGCTGGACATGCAAAGGCTGTTTTGTTGGCTTTGACCTAGCACATGCAGTTGGAAA
TGTTGAACCTCCGCTTACATGACTGGGTTGACTTTGCCTGCTGGTTCCTATAAGTATTTAAATTCA
GGAGCTGGAGGTCTGGCTGGTGCCTTTGTCCACGAGAAAACATGCTCATACTGTCAAGCCTGCGATGGACG
ACCTGCAGTGTGATATCAAGCTGAAAGGCAACCTGTTTGATATGGACAGAGGAGAAAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: BC026950
Insert Size: 972 bp



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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).
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:	<ol style="list-style-type: none">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:	<u>BC026950</u> , <u>AAH26950</u>
RefSeq Size:	2800 bp
RefSeq ORF:	971 bp
Locus ID:	70789
Cytogenetics:	2 B
Gene Summary:	Catalyzes the cleavage of L-kynurenine (L-Kyn) and L-3-hydroxykynurenine (L-3OHKyn) into anthranilic acid (AA) and 3-hydroxyanthranilic acid (3-OHAA), respectively. Has a preference for the L-3-hydroxy form. Also has cysteine-conjugate-beta-lyase activity.[UniProtKB/Swiss-Prot Function]