

Product datasheet for **MC226025**

Cyba (NM_001301284) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cyba (NM_001301284) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cyba
Synonyms: b558; nmf333; p22-phox; p22phox
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC226025 representing NM_001301284
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCAGATCGAGTGGGCCATGTGGGCCAACGAACAGGCGCTGGCGTCTGGCCTGATTCTCATCACTG
GGGGCATCGTGGCTACTGCTGGACGTTTTACACAGTGGTATTTTCGGCGCCTACTCTATCGCTGCAGGTGT
GCTCATCTGTCTGCTGGAGTATCCCGGGGAAAGAGGAAAAGGGGTCCACCATGGAGCGATGGTTGTGC
GTGCTGCAGGCTTCTCTGGCCACCATCTGGGACCGTCTGCTTGGCCATTGCCAGTGTGATCTATC
TGCTGGCAGCCATCCGAGGTGAGCAGTGGACTCCATTGAGCCTAAACCAAGGAGCGGCCACAGGTTGG
AGGCACCATCAAGCAACCACCTACCAACCCCCACCCCGCCACCCGAGAGGTCCGAAAGAAGCCGAGT
GAGGGTGAAGAGGAGGCAGCCTCAGCTGGAGGACCCAGGTTAACCCAATGCCAGTGACAGATGAGGTGC
TGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3785_f10.zip
Restriction Sites: SgfI-MluI
ACCN: NM_001301284
Insert Size: 495 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).
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:	<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>NM_001301284.1, NP_001288213.1</u>
RefSeq Size:	692 bp
RefSeq ORF:	495 bp
Locus ID:	13057
UniProt ID:	<u>Q61462</u>
Cytogenetics:	8 E1
Gene Summary:	<p>Critical component of the membrane-bound oxidase of phagocytes that generates superoxide. Associates with NOX3 to form a functional NADPH oxidase constitutively generating superoxide.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the central coding region compared to variant . The encoded isoform (2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>