

## Product datasheet for **MC204884**

### Paox (NM\_153783) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Paox (NM_153783) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Paox
Synonyms:	2410012F02Rik; AI118225; Pao
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC082783

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GGCGCCTAAGGCCAGGTCTCTGGAGGACCCTGAGCTAGCCATGGCGTTCCTGGCCCGGGGTGCTGGTG
GTGGGCAGCGGCATCGCGGGCTGGGCGCTGCGCAGAAGCTCTGCAGCCACCGGGCTGCTCCACACCTGC
GGGTTCTGGAGGCCACCGCCAGCGCCGGGGCCGCATCCGCTCGGAACGCTGCTTCGGTGTGTAGTGGA
GCTGGGTGCACACTGGATCCATGGGCCCTCCCAGGACAATCCTGTCTTCCAGCTGGCTGCAGAATTCGGG
CTCCTGGGGGAGAAAGAATTATCGGAAGAGAACCAGCTTGTGATACAGGAGGGCACGTGGCCCTGCCCT
CCATGATCTGGTCCAGCTCTGGAACAAGTGTGAGCCTGGAGCTGATGACAGAGATGGCCCGTCTGTTCTA
TGGACTGATAGAGCGGACCCGAGAATTCCTGAATGAATCTGAAACCCCAATGGCCAGTGTGGAGAGTTC
CTGAAGAAGGAGATAAGTCAGCAGGTGGCTAGCTGGACCGAGGATGATGAGGACACCAGAAAGCGCAAGC
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TCTTGCACCGTTTGGGGAGTATACAGTGTGCTGGGCTGGATTGCATCTTGGCTGGTGGCTACCAAGGA
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ACTGGAATGGGTCTTCCAGGAAGCTGCTTTTCCAGGGGAGACCTTCCCCGTATTGGTGGAGTGTGAAGA
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ACAATTGCCAGCAGCCAAGAGCGTACGAAGGTCTCAGTGGCACAGTGCCCGTACACCCGAGGTTCTTAC
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CGGCCAGGCTGTGAGTGCCTGTGCTCTGCTCCACCCTCGGGCTGACCAAGCTCTGTTTGGTTTGGG
TTTGGGATCTTACTGGTAGCTTAATTTTGGGAAGTGGTTTTTGTCTTATCTGTTGGAGTCTGGC
TTGGTCTGATCATGGATGCCCGTTAAGTGTGTACGCATAAAGCAGTTAACATTGAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAA

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<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_153783
<b>Insert Size:</b>	1515 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC082783</a> , <a href="#">AAH82783</a>
<b>RefSeq Size:</b>	1773 bp
<b>RefSeq ORF:</b>	1515 bp
<b>Locus ID:</b>	212503
<b>UniProt ID:</b>	<a href="#">Q8C0L6</a>
<b>Cytogenetics:</b>	7 F4
<b>Gene Summary:</b>	Flavoenzyme which catalyzes the oxidation of N(1)-acetylspermine to spermidine and is thus involved in the polyamine back-conversion (PubMed:12660232, PubMed:28029774). Can also oxidize N(1)-acetylspermidine to putrescine. Substrate specificity: N(1)-acetylspermine = N(1)-acetylspermidine > N(1),N(12)-diacetylspermine >> spermine. Does not oxidize spermidine. Plays an important role in the regulation of polyamine intracellular concentration and has the potential to act as a determinant of cellular sensitivity to the antitumor polyamine analogs (PubMed:12660232).[UniProtKB/Swiss-Prot Function]