

Product datasheet for MC200789

Cyp26a1 (NM_007811) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp26a1 (NM_007811) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp26a1
Synonyms:	Cyp26; P450RA; P450RAI; RAH
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC012673 sequence for NM_007811 CCACGCGTCCGCCACGCGTCCGCCACGCGTCCGAGGTGGCGGGAGGCTGAAGCGTGCCATGGGGCT CCCGCGCTGCTGGCCAGTGCCTCTGCACCTTCGTGCTGCCGCTGCTGCTTCTTCCGCGCGCTCAAG CTCTGGGACCTGTACTGTGTGAGCAGCCGATCGCAGCTGCGCCCTCCCCTTGCCCCCGGTACCATGG GCTTCCATTCTTTGGGAAACATTGCAGATGGTCTCAGCGGAGGAAGTTTCTGCAGATGAAGCGCAG GAAATACGGCTTCATCTACAAGACGCATCTGTTTGGCGGCCACGGTGCGGGTGATGGCGCGGATAAT GTGCGGCGCATCTTGGTGGGAGAGCACCAGTGGTGTGCGTGCCTGGCCCGCTCGGTGCGCACCATCC TGGGCGCTGGTGCCTCTCCAACCTGCACGATTCTCGACAAGCAGCGAAAGAAGGTGATTATGCAGGC CTTCAGCCGCGAGGCACTCCAGTGTACGTGCCGTGATCGTGAGGAAGTCAGCAGTTGTCTGGAGCAG TGGCTAAGCTGCGCGAGCGCGGCTCCTGGTCTACCCCGAGGTGAAGCGCTCATGTTCCGCATCGCCA TGCGCATCCTGCTGGGCTGCGAGCCGGTCCAGCGGGCGGGAGGACGAGCAGCAGCTCGTGGAGGC TTTCGAGGAGATGACCCGCAATCTTCTCTTCCCATTGACGTGCCCTTAGCGGCCTGTACCGGGC GTGAAGGCGCGGAACCTTATACACGCGCATCGAGGAGAACATTCGCGCCAAGATCCGCCGGCTTCAGG CTACAGAGCCGGATGGGGTTGCAAGGACGCGTGCAGCTCCTGATTGAGCACTCGTGGGAGAGGGGAGA GAGGCTGGATATGCAGGCACTAAAACAATCGTCAACAGAGCTCCTCTTTGGTGGTTCATGAACTACAGCC AGTGTGCGAGCTCACTGATCACTTACCTAGGACTCTACCCACATGTCTCCAGAAAGTTCGAGAAGAGA TAAAGAGCAAGGGCTTACTTTGCAAGAGCAATCAAGACAACAAGTTAGACATGAAAACCTTTGGAACAGCT TAAATACACTGGGTGTGTCATTAAGGAGACCCTGCGATTGAATCCTCCGGTTCAGGAGGGTTTCGGGTT GCTCTGAAGACTTTTGGCTGAATGGATACCAGATCCCCAAGGGCTGGAATGTTATTTACAGATATCTGTG ACACCCACGATGTGGCAGATATCTTCACTAACAAGGAGGAATTTAATCCCGACCGCTTATAGTGCCTCA TCCAGAGGATGCTTCCCGTTCAGCTTCACTTCCATTTGGAGGAGGCCTTCGGAGCTGTGTAGGCAAAGAG TTTGCAAAAATCTTCTTAAGATATTTACAGTGGAGCTGGCTAGGCACTGTGATTGGCAGCTTCTAAATG GACCTCTACAATGAAGACAAGCCCACTGTGTACCCTGTGGACAATCTCCCTGCAAGATTTACCCACTT CCAGGGAGATATCTGATAGCTATTTCAATTTCTGGACTTATTTGAAGTGTATATTGTTTTTTTTAAATA GTGTCATGTTGACTTTATTTAATTTCTAAATGTATAGTATGATATTTATGTGCTCTACTACAGTCCCGT GGTCTTAAATATTTAAATAATGAATTTGTATGATTTCCAATAAAGTAAAATTTAAAAAGTAAAAAATAA AAAAAA



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Restriction Sites:	RsrII-NotI
ACCN:	NM_007811
Insert Size:	1494 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	BC012673 , AAH12673
RefSeq Size:	1757 bp
RefSeq ORF:	1494 bp
Locus ID:	13082
UniProt ID:	O55127
Cytogenetics:	19 C2
Gene Summary:	<p>Plays a key role in retinoic acid metabolism. Acts on retinoids, including all-trans-retinoic acid (RA) and its stereoisomer 9-cis-RA. Capable of both 4-hydroxylation and 18-hydroxylation. Responsible for generation of several hydroxylated forms of RA, including 4-OH-RA, 4-oxo-RA and 18-OH-RA.[UniProtKB/Swiss-Prot Function]</p>