*h*OBCAM/OPCML VersaClone cDNA

Catalog Number: RDC2043

Specifications:

Gene:	*h*OPCML
Accession:	NP_002536
Insert size:	1051bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

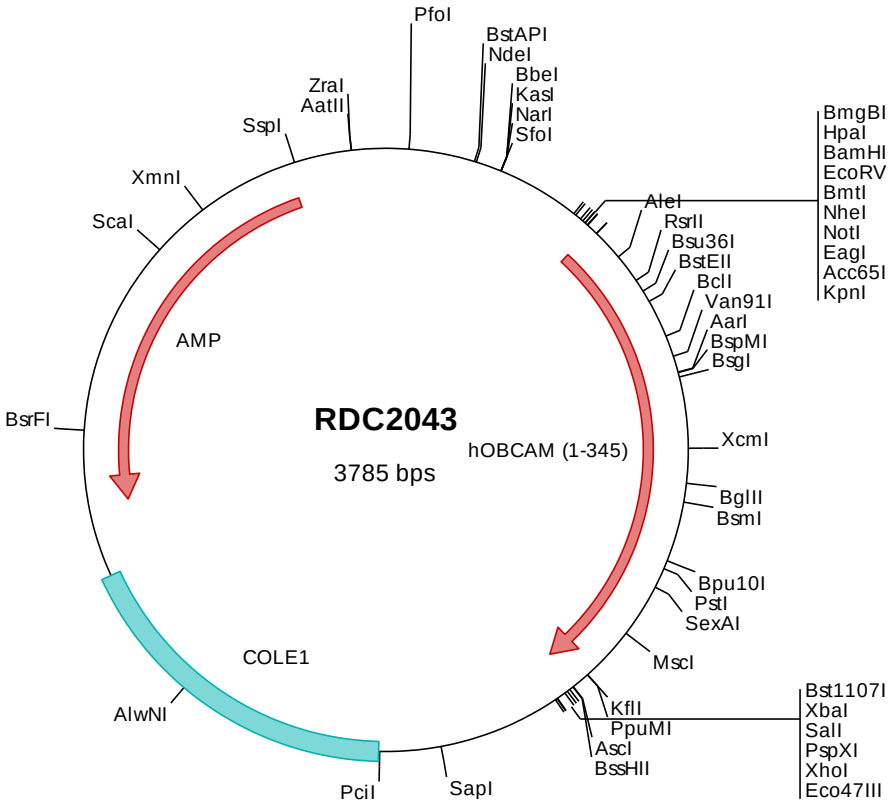
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*OBCAM/OPCML cDNA Plasmid

OPCML opioid binding protein/cell adhesion molecule like [*Homo sapiens* (human)]

Also known as: OPCM; OBCAM; IGLON1

Summary:
OBCAM a member of the IgLON subfamily in the immunoglobulin protein superfamily of proteins. It is proteolytically processed to generate the mature protein. It is localized in the plasma membrane and may have an accessory role in opioid receptor function. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2043 Plasmid DNA Sequence

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 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgggggtct gtgggtacct gttcctgccc tggaagtgcc tcgtggtcgt
 501  gtctctcagg ctgctgttcc ttgtacccac aggagtgccc gtgcgcagcg gagatgccac cttccccaaa gctatggaca acgtgacggt ccggcagggg
 601  gagagcgcca ccctcaggtg taccatagat gaccgggtaa cccgggtggc ctggctaaac cgcagcacca tcctctacgc tgggaatgac aagtggtcca
 701  tagaccctcg tgtgatcatc ctggtcaata caccaaccca gtacagcatc atgatccaaa atgtggatgt gtatgacgaa ggtccgtaca cctgctctgt
 801  gcagacagac aatcatccca aaacgtcccg ggttcaccta atagtgcaag ttcctcctca gatcatgaat atctcctcag acatcactgt gaatgaggga
 901  agcagtgtga ccctgctgtg tcttgctatt ggcagaccag agccaactgt gacatggaga cacctgtcag tcaaggaagg ccagggcttt gtaagtgagg
1001  atgagtacct ggagatctct gacatcaagc gagaccagtc cggggagtac gaatgcagcg cgttgaacga tgtcgctgcg cccgatgtgc ggaaagtaaa
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1201  atggctgaat tccagtggtt caaggaagaa accaggttag ccactggtct ggatggaatg aggattgaaa acaaaggccg catgtccact ctgactttct
1301  tcaatgtttc agaaaaggat tatgggaact atacttgtgt ggccacgaac aagcttggga acaccaatgc cagcatcaca ttgtatgggc ctggagcagt
1401  cattgatggt gtaaactcgg cctccagagc actggcttgt ctctggctat cagggaccct cttagcccac ttcttcatca agttttaaag gcgcgccagt
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1601  acaattccac acaacatacg agccggaagc ataaagtgta aagcctgggg tgcctaatga gtgagctaac tcacattaat tgcgttgcgc tcactgcccg
1701  ctttccagtc gggaaacctg tcgtgccagc tgcattaatg aatcggccaa cgcgcgggga gaggcggttt gcgtattggg cgctcttccg cttcctcgct
1801  cactgactcg ctgcgctcgg tcgttcggct gcggcgagcg gtatcagctc actcaaaggc ggtaatacgg ttatccacag aatcagggga taacgcagga
1901  aagaacatgt gagcaaaagg ccagcaaaag gccaggaacc gtaaaaaggc cgcgttgctg gcgtttttcc ataggctccg ccccctgac gagcatcaca
2001  aaaatcgacg ctcaagtcag aggtggcgaa acccgacagg actataaaga taccaggcgt ttcccctgg aagctccctc gtgcgctctc ctgttccgac
2101  cctgccgctt accggatacc tgtccgcctt tctcccttcg ggaagcgtgg cgctttctca atgctcacgc tgtaggtatc tcagttcggt gtaggtcgtt
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2601  aaaactcacg ttaagggatt ttggtcatga gattatcaaa aaggatcttc acctagatcc ttttaaatta aaaatgaagt tttaaatcaa tctaaagtat
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3201  cactcatggt tatggcagca ctgcataatt ctcttactgt catgccatcc gtaagatgct tttctgtgac tggtgagtac tcaaccaagt cattctgaga
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3601  atattattga agcatttatc agggttattg tctcatgagc ggatacatat ttgaatgtat ttagaaaaat aaacaaatag gggttccgcg cacatttccc
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> RDC2043 Translated Insert Sequence

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201  ecsalndvaa pdvrkvkitv nyppyiskak ntgvsvggkg ilsceasavp maefqwfkee trlatgldgm rienkgrmst ltffnvsekd ygnytcvatn
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