

Product datasheet for **MG220201**

Cd46 (NM_010778) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd46 (NM_010778) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cd46
Synonyms:	Mcp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220201 representing NM_010778 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGGCGGCCCTCTTATGCCAGACTCAACGCACCCCTGTCGCAGAAGGAAGACTACACTTTCTTCT
GGTGCTCCTGGGCGTCTATGCTGAGGCCCTTCTGTTTCTGCTGTCTCATTATCTGATGCCTGTGAACT
ACCACGGCCATTTGAAGCTATGGAACCAAGGTACACCTAAACTCTTTATGCCGTTGGAGAGAAAATA
GAATATAAGTGTAAAAAAGGATACCTGTATCTGTCTCCATACCTGATGATTGCTACCTGTGAGCCAATC
ATACATGGTCCCTATTTAGATGCTGGTGTATTAAAGTTCAATGTAATGTAATGTTACAAGACCCCTCATT
TGGCAAAGTATACTACATAGATGGCAGCTTTTCATGGGGTGTCTGAGCTAAATTTACTTGTATGGAAGGT
TATTACGTAGTTGGTATGTCAGTTCTACACTGTGTGCTTAAAGGTGATGATGAAGCATACTGGAATGGCT
ATCCCCACATTGTGAAAAGATTTATTGTTTACCACCTCCAAAAATAAAAAATGGAACACATACCCTTAC
TGATATAAATGTATTCAAATACCATGAAGCAGTAAGTTACAGTTGTGATCCTACCCAGGGCCAAAATAAG
TTTTCCCTTGTGGAAACAAGCATGATATTCTGTGCTGGCCATAACACCTGGAGTAACAGCCCTCCGGAGT
GTAAAGTGGTAAAATGTCCAAATCCAGTACTACAAAATGGAAGACTGATATCAGGAGCTGGCGAAATATT
TTCTATCAATCAACAGTGATGTTTGTGTTGCAAGGATTTTACATGGAAGGCAGTAGCATGGTGATC
TGTAAGTCTAAACTCTGGGAGCCATCTATCCAAAATGCTTAAAGTCTTAGGCCTACTCATCCTA
CCAAGCCTCCAGTTTATAATTATACAGGATATCCTAGTCCCGTGAAGGAATATTTAGCCAAGAATTAGA
TGATGATTATTGCTTTGATTGTTATTACGTCAATTGTTGGAGTTTTTATACTTTGTCTCATTGTGCTC
AGGTGTTTTGAGCACAGGAAGAAAACAAATGTATCTGCAGCAAGA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220201 representing NM_010778
Red=Cloning site Green=Tags(s)

MTAAPLMPDSTHPCRRRKSYTFFWCSLGVYAEALLFLLSHLSDACELPRPFEMELKGTPLKLYAVGEKI
 EYKCKKGYLYLSPYLMIAATCEPNHTWVPI SDAGCIKVQCTMLQDPSFGKVVYIDGSFSWGARAFTCMEG
 YVVVGM SVLHCVLKGDD EAYWNGYPPHCEKIYCLPPP KIKNGHTLTDINVF KYHEAVSYSCDPTPGPNK
 FSLVGTSMIFCAGHNTWSNSPPECKVVKCPNPVLQNGRLISGAGEIFSYQSTVMFECLQGFYMEGSSMVI
 CSANNWEP S I P K C L K G P R P T H P T K P P V Y N T G Y P S P R E G I F S Q E L D A W I I A L I V I T S I V G V F I L C L I V L
 RCFEHRKKTNSAAR

TRTRPLE - GFP Tag - V

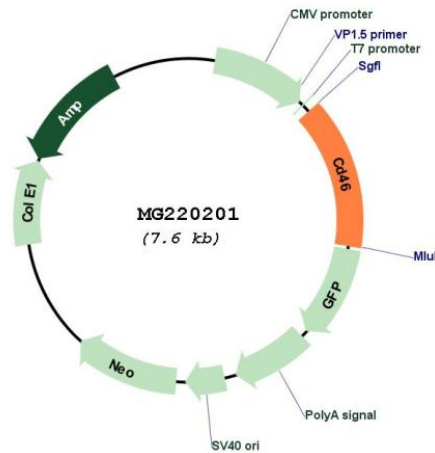
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_010778

ORF Size:	1095 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>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_010778.3 , NP_034908.1
RefSeq Size:	1213 bp
RefSeq ORF:	1098 bp
Locus ID:	17221
UniProt ID:	O88174
Cytogenetics:	1 98.41 cM
Gene Summary:	May be involved in the fusion of the spermatozoa with the oocyte during fertilization. [UniProtKB/Swiss-Prot Function]