

Product datasheet for MR206506

Cluap1 (NM_029738) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cluap1 (NM_029738) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cluap1
Synonyms:	2310030D15Rik; 2610111M03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206506 representing NM_029738 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTTCCGCGACCTCCGCAATTTACCGAGATGATGAGAGCCTTGGGGTACCCACGCCATTTTCTA
TGGAGAATTTCCGCACACCCAACTTTGGGCTTGCTCTGAAGTCTTGTGGCTTGAAAAGGTATGA
GCCGCAGACTGACATCCCTTCTGACATTGAGACTGAACAAGACAGAGTTTTCTTCATTAAGGCAATTGCC
CAGTTCATGGCCACAAAGGCACATATAAACTCAATACCAAGAAGCTCTATCAAGCTGACGGGTATGCAG
TAAAAGAGCTGCTGAAGATCACATCTGTCTCTATAATGCAATGAAGACCAAGGGATGGAGGGCTCCAA
TGTAGGAGAGGAAGACATCAGCAAATTCAGTTTATGATCTCGGCTCCAAGATTGCAGATTTGAAAGCAGCC
AGACAGCTTGCCTGCTGAAATCACTGCCAAAGGAGCCTCTCTGTATGACTTGTGGCAAAGAGGTTGAGC
TGAGGGAAGTGGAGACAGAAGCCATTGCTAGACCTCTAGAGATCAATGAGACTGAAAAGGTGATGAGGAT
TGCAATCAAAGATCTTTTGGCCAGGTTTCAAGACTAAAGACCTGCTTAATAATGTGGCCTCTGATGAA
GCAAACCTAGAAGCCAAATGAAAAGAGAAAATTAGAACTGGAAAGAAATCGAAAGCGACTGCAGACCC
TGCAGAGTGTGAGCCGGCCTTTATGGATGAATATGAGAAGGTTGAGGAAGACCTGCAGAAGCAGTATGA
CGTCTATCTAGAGAAGTCCGGAACCTGGCTTACCTGGAGCAGCAGCTTGAGGATCACCACAGGATGGAA
CAGGAGAGGTTTGAAGAAGCTGAAAATACTCTCCGCTGATGCAAAAATAAGCTAAAGGAAGAGAGAAGC
GACTGCTCAAGAGTGGAAGCAATGATGACTCAGACATAGACATCCAAGAGGATGATGAATCAGACAGCGA
GTTGGAGGACAGACGGATGTCTAAGCCTCGGACAGCGATGGAGGTGCTCATGCAAGGAAGGCCACAGCAA
CGGATCGTGGGTGCAATGCAAGGTGGAGACTCGGATGAAGACGAAGACTCGGAGGACAGTAAAATTGACA
TGAAGATGATGAAGAAGATGATGACGATTTGGAAGATGAAAGCATTGCTCTCTCACCAGCTAAGCCAG
TCGAAGGATCCGTAACCGGAGCCCTTGGATGAAAGTGACAATGACTTC

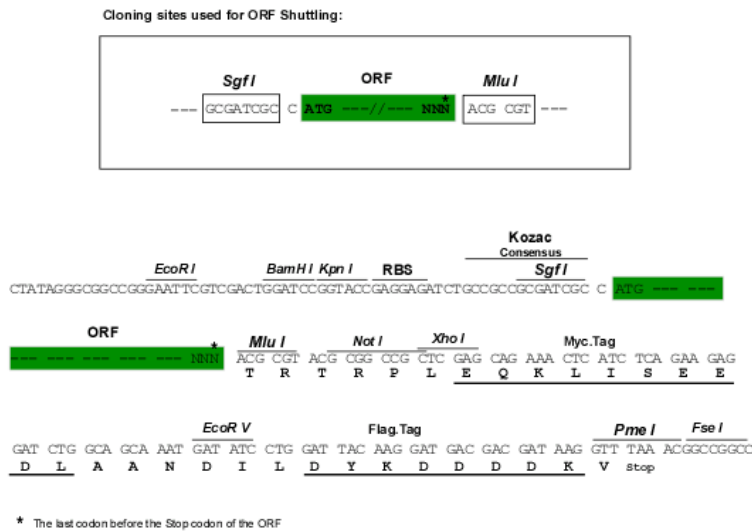
ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Chromatograms: https://cdn.origene.com/chromatograms/mm9079_g11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_029738

ORF Size: 1239 bp

OTI Disclaimer: 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](#)

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:

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_029738.1](#)

RefSeq Size: 1595 bp

RefSeq ORF: 1242 bp

Locus ID: 76779

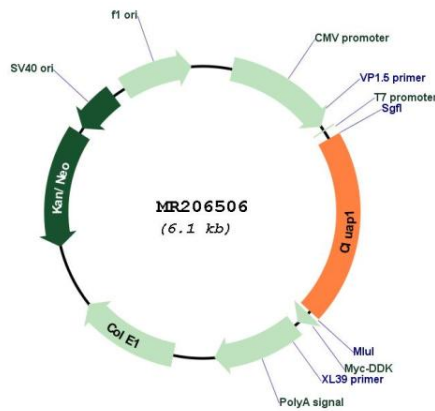
UniProt ID: [Q8R3P7](#)

Cytogenetics: 16 A1

MW: 48.4 kDa

Gene Summary: Required for cilia biogenesis. Appears to function within the multiple intraflagellar transport complex B (IFT-B). Key regulator of hedgehog signaling.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206506