

## Product datasheet for RN206387

### Cluap1 (NM\_001014225) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cluap1 (NM_001014225) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cluap1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN206387 representing NM_001014225 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGAGAGCCTTGGGGTACCCACGCCACATTCTATGGAGAATTTCCGCACACCCAACCTTGGGCTTG  
TCTCTGAAGTGCTTCTGTGGCTTGTGAAAAGATATGAGCCGAGACTGACATCCCTTCTGACTGAGAC  
TGAACAAGACCGAGTTTTCTTCATTAAGGCAATTGCCAGTTCATGGCCACAAAGGCACATATAAACTC  
AACACCAAGAACTCTATCAAGCAGACGGGTATGCAGTGAAGGAGCTGCTGAAGATCACATCCGTTCTTT  
ATAACGCCATGAAGACCAAGGCATGGAGGGCTCCAACGTCGGAGAGGAAGACATCAGCAAATCAAGTT  
TGATCTGGGCTCCAAGATTGCAGATTTGAAAGCAGCCAGACAACCTGCTTCTGAAATCACTGCTAAAGGA  
GCTTCTGTATGACTTGCTGGGCAAAGAGGTTGAGCTGAGGGAACCTGAGAACGGAAGCCATTGCTCGAC  
CTCTAGAAATAAACGAGACTGAAAAGGTGATGAGAATTGCAATCAAAGATATTTGGCACAGGTTTCAGAA  
GACTAAAGACCTGCTCAACAATGTGGCGTCTGACGAAGCCAATTTAGAAGCCAAAATTGAAAAGAGAAAA  
TTGGAGCTGAAAAGAAATCGGAAGCGATTGCAGACCCTGCAGAGTGTGAGCCAGCCTTTATGGATGAGT  
ATGAGAAGGTTGAGGAAGAGCTGAAAAGCAGTATGACGTCTACCTGGAGAAGTTCGGAACCTGGCTTA  
CCTGGAGCAGCAGCTTGAGGACCATCACAGGATGGAGCAGGAACGGTTTGAAGAAGCTGAGAATACTCTG  
CGTCTGATGCAGAATAAGCTGAAGGAAGAGGAGAAGAGACTGCTCAAGAGTGGAAGCAATGACGACTCGG  
ACATAGACATCCAAGAGGACGATGAATCGGACAGCGAGCTGGAGGACAGACGGCTGTCTAAGCCTCGGAC  
AGCCATGGAGGTGCTCATGCAAGGAAGGCCAGCAAACGCATCGTGGGCAATGCAAGGCGGAGACTCC  
GATGAAGATGAAGACTCGGAGGACAGCGAAATGAACATGGAAGATGATGAAGAAGATGACGATGATTTGG  
AAGATGAGAGCATTGCGCTCTCACCAGCTAAACCCAGTCGGAGGGTCCGGAAACCCGAGCCCTTGGACGA  
GAGTGACAATGACTT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_001014225
<b>Insert Size:</b>	1209 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>	<u><a href="#">NM_001014225.1</a></u> , <u><a href="#">NP_001014247.1</a></u>
<b>RefSeq Size:</b>	1844 bp
<b>RefSeq ORF:</b>	1209 bp
<b>Locus ID:</b>	363544
<b>UniProt ID:</b>	<u><a href="#">Q6AYJ5</a></u>
<b>Cytogenetics:</b>	10q12
<b>Gene Summary:</b>	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]