

## Product datasheet for MC212216

### Clps (NM\_025469) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Clps (NM\_025469) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Clps  
**Synonyms:** 2200003J09Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212216 representing NM\_025469  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAGAAGGTCCTTGTTCTTCTGCTTGTGTCCCTCCTTGCAGTGGCCTATGCAGCTCCCGACCCCGGG  
GTCTTATTATCAACCTGGAGGACGGTGAGATCTGTTTGAACAGTATGCAGTGAAGAGCAGATGCTGCCA  
ACATGACACCATCTGGCATTGCCGTTGCACACACAAGGCCATGGAGAACAGCGAGTGCTCCCCAAAG  
ACCTCTATGGGATCTACTACCGGTGTCCCTGTGAGCGGGCCTGACCTGTGAGGGGGACAGGAGCATCA  
TCGGCGCCATACCAACCAACTATGGCATCTGCCTCGACTCCAGGCGCTCCAAGCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_025469  
**Insert Size:** 342 bp  
**OTI Disclaimer:** 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).  
**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\\_025469.3](#), [NP\\_079745.1](#)

**RefSeq Size:** 557 bp

**RefSeq ORF:** 342 bp

**Locus ID:** 109791

**UniProt ID:** [Q9CQC2](#)

**Cytogenetics:** 17 A3.3

**Gene Summary:** This gene encodes a member of the colipase family of coenzymes that is required for the optimal activity of pancreatic lipase. The encoded protein undergoes proteolytic processing to generate a mature polypeptide that binds to the lipase and prevents inhibition by bile acids. Over half of the mice lacking the encoded protein die within two weeks of birth while the remaining ones exhibit fat malabsorption and altered body weight regulation. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing. [provided by RefSeq, Nov 2015]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).