

## Product datasheet for MR226150

### Clps (NM\_025469) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Clps (NM\_025469) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Clps  
**Synonyms:** 2200003J09Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR226150 representing NM\_025469  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGAAGGTCCTTGTCTTCTGCTTGTGTCCCTCCTTGCAGTGGCCTATGCAGCTCCCGACCCCGGG  
 GTCTTATTATCAACCTGGAGGACGGTGAGATCTGTTTGAACAGTATGCAGTGAAGAGCAGATGCTGCCA  
 ACATGACACCATCCTGGCATTGCCCGTGCACACACAAGGCCATGGAGAACAGCGAGTGTCCCAAAG  
 ACCCTCTATGGGATCTACTACCGGTGTCCCTGTGAGCGGGCCTGACCTGTGAGGGGGACAGGAGCATCA  
 TCGGCGCCATACCAACACCAACTATGGCATCTGCCTCGACTCCAGGCGCTCCAAGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR226150 representing NM\_025469  
 Red=Cloning site Green=Tags(s)

MEKVLVLLLVSLAVAYAAPGPRGLIINLEDGEICLSMQCKSRCCQHDTILGIARCTHKAMENSECSPK  
 TLYGIYRCP CERGLTCEGDRSIIGAITNTNYGICLDSRRSKQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

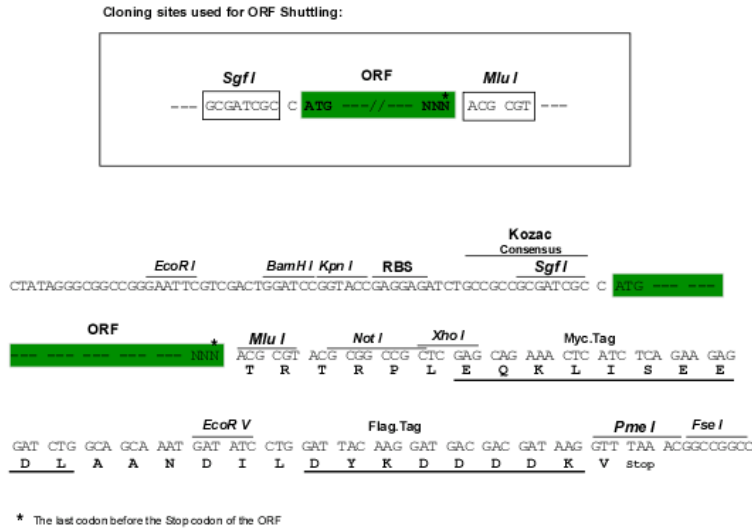
**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9008\\_b01.zip](https://cdn.origene.com/chromatograms/mm9008_b01.zip)

**Restriction Sites:** SgfI-MluI



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Cloning Scheme:



ACCN: NM\_025469

ORF Size: 339 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\\_025469.3](#), [NP\\_079745.1](#)

RefSeq Size: 494 bp

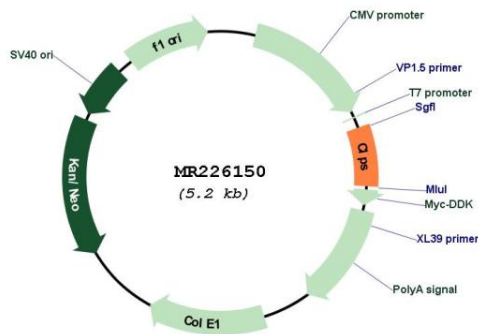
RefSeq ORF: 342 bp

Locus ID: 109791

UniProt ID: [Q9CQC2](#)  
 Cytogenetics: 17 A3.3  
 MW: 12.9 kDa

**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]

**Product images:**



Circular map for MR226150