

## Product datasheet for **MC219795**

### **Hps3 (NM\_001146324) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hps3 (NM_001146324) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hps3
Synonyms:	coa
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219795 representing NM\_001146324  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTGCCTGTACAACCTGCACCCGTTTGGGTGCGAGCAGGTAGTCCCCTGCCAGTGGGAGCCGGAGC  
 AGGTCTGCTGCGGCGGGAGCGACGCGCTGTTCTGGCTGCGCGCTGCAAGGTGGAGGCGTTCGCTGTTC  
 GGGCGAAGAGCTGTGCCGCGAGCCTGCGCCTTCTCCACGCTAGGCAGGGTGTGCGCATGGCCTACAGC  
 GAAGCCGGAGACTATCTGGTAGCAATTGAGGAGAAAAACAAACTATATTCCTGCGTGCTTACGTGAATT  
 GGAGGAGTAAGAGGAGCGACAACCCCCTGTGTGCATTGCAATGGTTGGCCACAATGTGGAGGCATCCTT  
 CTGTGAAAGCTTTAGAGACCAGATGTCTATAATTGAGATGCCAATGTCTGAGGCCCTTTGTGCTTTTCG  
 TGTTGCTCTGTAAGGAGATCTTCTTGTGGATGTACAATAAGTTAGTGTATTTACTTTGAAGTATG  
 ATATCATTAAATGAGGAATCTCAATATTGAACCTTGAACGTTTCAATTAACACATAGATAATATCAC  
 TCCTGTTGAAATCTTTTTGTGTGGATATGTTGCTGTCATGTCTGATTTAGAAGTCTTACTCCTAAAA  
 CTGGAGTCAGACCCTATACATGGAGAGAGTGTGACCACCACCCACAAGAAACCAGCAATCCATTGAAAG  
 AGCGGAAGGTGTCAGTAATGAACTTCACAACCTTGAGTCAGAAGATTTTGTATCTGTCTAAAACCCAT  
 GAACTCATTGGTAAAAATGTGAACAGTCTGGGATATCTGTTAACTGGAGTCCACAGGATTAGAAGAT  
 GAAAAAGTAAATATTTACGTGTTCCGCATCTATTGTATAGACGTTTTGCTCCAGATATTTGCTCCTATG  
 TCTTGTCTGATAACATCAAGTTACATCCCTTCAGCTGTACCCATTACCAAAGTGGTTTTATCCTGA  
 TGAAAAATGATTTATCGCCGAAAAAGAGATGCCAAATCTTTCTGTTTCTTCTGTTACCTCATGTGGGC  
 TATCTGTACATGGTTGTGAAGTCTGTTGAATTAATGTCAGTCTATTGGTATCCTGAGAAGTCTCAACAAG  
 CCGTGTACACCACAGTCTTTGCATGTCATCACAAGCCAAAGCCTGCAGTGTTCACGGTCCGATGCAG  
 TGCAGCGGTGGCACATGAGGAAGACCTATACATGGATACTACGCTAAAGGCTTGCCACCTGTCAATG  
 GACGTTTGTGCTTAAGGATACAGCTTTTCATAGGCTTGAAGCCATCTGTCACTTTAAAAACCACATTA  
 TACTTCTGACGAAGGCAGAGCCTGAGGCCATTCAGAGAGAAGAGAGTCAACCAAGAACTTATTTCTAG  
 AAAAGATGCCAGTGTAGGAGCGGAACCCCTCACGTGGCTGAAGCGGCATGGAATCTGTATCTCGTGAAC  
 ACCACGGCACCAGTGCAGCTGTACAAAGAAATGGTAGACTATAGTAACAGCTACAAGACCGTAAAAACCG  
 AGAGCTGTCTCCACCTGCTCAGTGAAGCTCATCTGCTAGTGAAGCTGCCCTGATGGATGGCAGTCACT  
 GGAGCCTGCAGAGAAAGCAGAATCCTGGAAGCTTTTAAAGAAAGCTGTGGACACCTGGAGACTGTTAC  
 AGCAGGTTGGTGAAGCCTCGTAAGCGTTGTTACAGAGTTTGCATGCACATAGCAGGCTTTTTTACCTCT  
 GGGAGTTGGTTCGTTTTCTATTTGTTTCATAGGCATGCTATGTGCCCGTCCATATGTAGGTGTGTGGC  
 AGGCTTAGAGGTACAGAGTGGATATGACTTACCCAGTGTCTTT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001146324

**Insert Size:** 1866 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\\_001146324.1](#), [NP\\_001139796.1](#)

**RefSeq Size:** 2335 bp

**RefSeq ORF:** 1866 bp

**Locus ID:** 12807

**Cytogenetics:** 3 6.12 cM

**Gene Summary:** Involved in early stages of melanosome biogenesis and maturation.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (3) has multiple differences in the presence and absence of exons in the 3' end, compared to variant 1. These differences produce a unique 3' UTR and a distinct translation termination signal, compared to variant 1. The encoded protein (isoform 3) has a shorter C-terminus than isoform 1.