

Product datasheet for **MC222305**

Hps3 (NM_001146323) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hps3 (NM_001146323) 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: >MC222305 representing NM_001146323
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGCCTGTACAACCTGCACCCGTTTGGGTGCGAGCAGGTAGTCCCCTGCCAGTGGGAGCCGGAGC
 AGGTCTGCTGCGGCGGGAGCGACGCGCTGTTCTGGCTGCCGGCTGCAAGGTGGAGGCGTTCGCTGTTC
 GGGCGAAGAGCTGTGCCGCGAGCCTGCGCCTTCTCCACGCTAGGCAGGGTGTGCGCATGGCCTACAGC
 GAAGCCGAAGTCTTACTCCTAAAACCTGGAGTCAAGCCCTATACATGGAGAGAGTGTGACCACCACCCAC
 AAGAAACCAGCAATCCATTGAAAGAGGCGGAAGGTGTCAGTAATGAAACTTCACAACTTGAGTCAGAAGA
 TTTTGTATCTGTCTAAAACCCATGGAACCTATTGGTGAATAATGTGAACAGTCTGGGATATCTGTAA
 CTGGAGTCCACAGGATTAGAAGATGAAAAGTAAAATATTTACGTGTTCCGCATCTATTGTATAGACGTT
 TTGCTCCAGATATTTTCCTATGTCTTGTCTGATAACATCAAGTTACATTCCTTCAGCTGCTACCCAT
 TCACCAAAGTGGTTTTTCCTGATGAAAATGATTTATCGCCGAAAAAGAGATGCCAAATCTCTCTGT
 TTCTTCTCGTTACCTCATGTGGCTATCTGTACATGGTTGTGAAGTCTGTTGAATTAATGTCAGTCTATT
 GGTATCCTGAGAAGTCTCAACAAGCCGTGCTCACACCACAGTTCTTGCATGTCATCAACAAGCCAAAGCCT
 GCAGTGTTCACGGTGCAGTGCAGTGCAGCGGTGGCACATGAGGAAGACCTATACATGGATACTACGCTA
 AAGGCTTGCCACCTGTCAAGTATGGACGTTTGTGCTCTAAGGATACAGCTTTTTCATAGGCTTGAAAGCCA
 TCTGTCACTTTAAAAACCACTTACTTCTGACGAAGGCAGAGCCTGAGGCCATTCAGAGAGAAGAGA
 GTCACCAAGAACTTATTTCTAGAAAAGATGCCAGTGTAGGAGCGGAACCCCTCACGTGGCTGAAGCG
 GCATGGAATCTGTATCTCGTGAACACCACGGCACCAGTGCAGCTGTACAAGAAATGGTAGACTATAGTA
 ACAGTACAAGACCGTGAAAACCCGAGAGCTGTCTCCACCTGCTCAGTGAGGCTCATCTGCTAGGAGAG
 TGCCCTGATGGATGGCAGTCACTGGAGCTGCAGAGAAAAGCAGAACTCCTGGAAGCTTTTAAAGAAAGC
 TGTGGACACCTTGAGACTGTTACAGCAGGCTTACCAGTGCAGCAATCCATCTCGCCTTGCCGACTATA
 AGATGTCTGTTTGTCTCTGGCTGAAGTCTTGGCCGTGTGGACTGGACAGAAGAGAGTGAATCACAGAA
 ATATGAGAGAGGACTAGTATTTTATATTAATCATTCTCTTTATGAAAACCTGGATGAAGAATTAAGTAA
 GAATTAGCAGCAAAAGTGGCTCAGATATCCACATGGCTGAGCCGAAAGCAGCTGCCTCATGTTCTCTCTA
 GCCCTTCTATGAAGAATATTGATCCCTAACTGCCTTGCAATTTAAGGAAGCTGGATAGTTGTGGAGT
 TTCACCCGCTTAGTGACCTTGACCAAGGCTGCAGTGGCCTTGAAAATGGGAGATCTTGACATGTACAGA
 AATGAGATGAAAAGCCATTCGGAGATGAAGCTGGTGTATGGCTTCATTCTGGAACCCCGCTGTTAATTC
 AACAGTGGAAAGGACAGATTGTTCTACAGAACTTGCGATTGACTTGAAAGAACTCAGCCTGGATTGCT
 TGTGGCTTCAGTCTGGCTTACAGAAGAATGATAAAATTGGAATTGTAGAAAACAGATTCTTTCTTAAAG
 GTGCTGTGTGGAAAGGATGAAGACGCAGTTCGCGAGCTTTTGTAGACTTCTGGGAAGCTCAGCTCGTAG
 CTTGTCTCCAAATGTGGTACTTGAGGAACTCTTTTCAAGCTCATCTCTCAGTACGTTTGGAGTTATC
 TGAGAGGCGGTGCTGACACCGTACCAGTGAACAGCGGAGGATTTGATAAATGCCTGCAGTCATTAT
 GGCCTAGTAAATCCATGGGTTTCTGTGTTAACGACATCTGATTCCTTAGCTGATAAAAATTACACAGACG
 ACCTTCTGAAATTACAGTCTCTCATCTGTAGCCCTTCAATTGGACGTAGCCTCCATTATCCGTTTTTGG
 GCCACTCAGAAGACACTGTTGCCGGCCTCAGTACTCATGCTCTCTGCCATACACGCTTACAAGAGTAT
 GAACAGTGCATAGACAGTGTGCTAGAGAGATGCCAGAGGCGCTATTGGGTATGCTAATCAGAACTGA
 AGGAAGATCACTGGATTCTGTGGTGAAGAAAGCTGCTGCCTGAGCTCTGCCAGAGAGTCAAGAGTGGTGG
 CGAGAGGTCCACCTTACCTGTATTGTTAAAAGAAACCTTGTCGGTTATTGCTGTGGGACTGGACCTG
 AGGGATTTCTGAATGTTCTCCAGAAGATGGGGCAGCAGCATTTTCTGCCCTACCTCTTTTCTGCA
 GCCGAAGAAATCACTA**ACTGA**

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001146323

Insert Size:	2613 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:	<ol style="list-style-type: none">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:	<u>NM_001146323.1</u> , <u>NP_001139795.1</u>
RefSeq Size:	3615 bp
RefSeq ORF:	2613 bp
Locus ID:	12807
UniProt ID:	<u>Q91VB4</u>
Cytogenetics:	3 6.12 cM
Gene Summary:	<p>Involved in early stages of melanosome biogenesis and maturation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1.</p>