

Product datasheet for MC223051

Hps3 (NM_080634) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hps3 (NM_080634) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hps3
Synonyms:	coa
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223051 representing NM_080634 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGTGCCTGTACAACCTGCACCCGTTGGGTGCGCAGCAGGTAGTCCCCTGCCAGTGGGAGCCGGAGC
AGGTCTGCTCGGCGGGAGCGACGCGCTGTTCTGGCTGCCGGCTGCAAGGTGGAGCGTTCGCTGTTCA
GGCGAAGAGCTGTGCCGCGAGCGCTGCGCCTTCCACGCTAGGCAGGGTCTGCGCATGGCCTACAGC
GAAGCCGAGACTATCTGGTAGCAATTGAGGAGAAAAACAAAACCTATATTCCTGCGTGTCTACGTGAATT
GGAGGAGTAAGAGGAGCGACAACCTCCCGTGTGTGCATTGGAATGGTTGGCCACAATGTGGAGGCATCCTT
CTGTGAAAGCTTTAGAGACCAGATGTCTATAATTGAGATGCCAATGTCTGAGGCCCTTTGTGCTTTTCG
TGTTGTCTGTGAAAGGAGATCTTCTTGTGGATGTACAAATAAGTTAGTGTTATTTACTTTGAAGTATG
ATATCATTAAAGGAAATCTCAATATTGAACTTTGACGTTTCAATTAATACACATAGATAATATCAC
TCCTGTTGAAATCTCTTTTGTGTTGGATATGTTGCTGTCATGCTGATTTAGAAGTCTTACTCCTAAAA
CTGGAGTCAGACCCTATACATGGAGAGAGTGTGACCACCACCCACAAGAAACCAGCAATCCATTGAAAG
AGCGGGAAGGTGTCAGTAATGAACTTCAACAATTGAGTCAGAAGATTTTGTATCTGTCTAAAACCCAT
GGAACCTATTGGTGAAAAATGTGAACAGTCTGGGATATCTGTTAACTGGAGTCCACAGGATTAGAAGAT
GAAAAAGTAAATATTTACGTGTTCCGCATCTATTGTATAGACGTTTTGTCCAGATATTTGCTCCTATG
TCTTGTCTGATAACATCAAGTTACATTCCTTCAGCTGCTACCCATTACCAAAGTGGTTTTTCATCCTGA
TGAAAAATGATTTATCGCCGAAAAAGAGATGCCAAATCTCTTCTGTTTCTCTGTTACCTCATGTGGGC
TATCTGTACATGGTTGTGAAGTCTGTTGAATTAATGTCAGTCTATTGGTATCCTGAGAAGTCTCAACAAG
CCGTGCTCACACCACAGTTCTTGCATGTCATACAAGCCAAAGCCTGCAGTGTTCACGGTGGCATGCAG
TGCAGCGGTGGCAGATGAGGAAGACCTATACATGGATACTACGCTAAAGGCTTGCCACCTGTCAGTATG
GACGTTTGTGCTCTAAGGATACAGCTTTTCATAGGCTTGAAGCCATCTGTCACTTTAAAAACCACATTA
TACTTCTGACGAAGGCAGAGCCTGAGGCCATTCCAGAGAGAAGAGAGTCAACCAAGAAACTTATTCTAG
AAAAGATGCCAGTGTAGGAGCGGAACCCCTCACGTGGCTGAAGCGGCATGGAATCTGTATCTCGTGAAC
ACCACGGCACCAGTGCAGCTGTACAAAGAAATGGTAGACTATAGTAACAGCTACAAGACCGTGAAAAACC



AGAGCTGTCTCCACCTGCTCAGTGAGGCTCATCTGCTAGTGAGAGCTGCCCTGATGGATGGCAGTCAGCT
GGAGCCTGCAGAGAAAGCAGAACTCTGGAAGCTTTAAAGAAAGCTGTGGACACCTTGGAGACTGTTAC
AGCAGGCTTACCCTGAGCAATCCCCTGCTGCTGCTACTATAAGATGTCTGGTTTGTCTCTGGCTG
AAGTCTTGGCCCGTGTGGACTGGACAGAAGAGAGTGAATCACAGAAATAGAGAGAGGACTAGTATTTA
TATTAATCATTCTCTTTATGAAAACCTGGATGAAGAATTAAGTAAAGAATTAGCAGCAAAAGTGGCTCAG
ATATCCACATGGCTGAGCCGAAGCAGCTGCCTCATGTTCTCTAGCCCTTCTATGAAGAATATTGATC
CCTTAACCTGCCTTGCAATATTTAAGGAAGCTGGATAGTTGTGGAGTTTCACCCGCTTAGTGACCTTGAC
CAAGGCTGCAGTGGCCTTAAAAATGGGAGATCTTGACATGTACAGAAATGAGATGAAAAGCCATTGGGAG
ATGAAGCTGGTGTATGGCTTCATTCTGGAACCCCGCTGTTAATCAACAGTGGAAAGGACAGATTGTTT
CTACAGAACTTGGCATTGACTTGAAGGAACTCAGCCTGGATTGCTTGTGGCTTCACTCCTGGGCTTACA
GAAGAATGATAAAATTGGAATTGTAGAAACAGATTCTTTCTTTAAGGTGCTGTGTGGAAAGGATGAAGAC
GCAGTCCGCAGCTTTTATAGACTTCTGGGAAGCTCAGCTCGTAGCTTGTCTCCAAATGTGGTACTTG
AGGAACTTTTTCAAGCTCATCTCTCAGTACGTTTGGAGTTATCTGAGAGGCGGTGCTGACACCGT
ACCACTGAGAACAGCGGAGGATTTGATAAATGCCTGCAGTCATTATGGCCTAGTAAATCCATGGGTTTCA
TGTTAAACGACATCTGATTCCTTAGCTGATAAAAATTACACAGACGACCTTCTGAAATTACAGTCTCTCA
TCTGTAGCCCTTCAATGGACGTAGCCTCCATTATTCGGTTTTTGGAGCCACTCTCAGAAGACACTGTTGC
CGGCTCAGTACTCATGCTCTCTGCCATACACGCTTACAAGAGTATGAACAGTGCATAGACACGTTGCTA
GAGAGATGCCAGAGGCCGCTATTGCGTATGCTAATCAGGAAGTGAAGGAAGATCACTGGATTCTGTGGT
GGAAAAAGCTGCTGCCTGAGCTCTGCCAGAGAGTCAAGAGTGGTGGCGAGAGGTCCACCTTACCTGTC
ATTGTTAAAAGAAACCTTGTGCGTTATTGCTGTGGGACTGGACCTGAGGGATTTCTTGAATGTTCTCCCA
GAAGATGGGGCAGCAGCATTTTTCTGCCCTACCTCTTTCTGCAGCCGGAAGAATCACTAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_080634

Insert Size: 3009 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_080634.4](#), [NP_542365.3](#)

RefSeq Size: 4011 bp

RefSeq ORF: 3009 bp

Locus ID: 12807

UniProt ID: [Q91VB4](#)

Cytogenetics: 3 6.12 cM

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

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).