

Product datasheet for **MC223531**

Hps5 (NM_001167864) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hps5 (NM_001167864) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hps5
Synonyms: A1646796; AL022647; C85120; haze; hz; maroon; mr; ru-2; ru2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223531 representing NM_001167864
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTTTTGTGCCAGTGATACCAGAAGCCTACAGCCATGTTCTTGCAGAGTTTGAGTCCTTGGATCCGT
TACTCACAGCCCTGAGGCTGGACTCCAGTCGTCTGAGGTGTACCAGCATAGCTGTGTCTCGAAATGGTT
GGCGTTAGGCAGCACAGGAGGAGGACTCAATCTCATTAGAAAGATGGCTGGAAGCAAAGGCTGTTTCTC
TCTCACCGGGAAGGGCAATCTCTCAGATTGCCTGCTGCTCATGATGATGATTATGTTGCTGTAGCTA
CCAGTCAAGGCTTGTAGTTGTTGGGAATTAATCAAGAGCGTCGTGGGAAGCCAGAACGAATTCATGT
GTCCTCAGAACACAAAGGCCGAAAAGTTACTGCCTCTGTTGGGACACGGCTGTTCTGAGAGTCTTTGTC
GGTGACCATGTGGCAAAGTATCTGCCATCAAACACTTTGAAACAAGCAAAGCAGCTGCTGCCT
TTGTGATGTTTCTGTGCAGACAGTACTAACAGTGGACTCGTGTGTGTCCAGTTGGATTACTTGGATGG
AAGATTACTTGTGCTTCACTGACTCGATCCTTCTTGTGTGACACCGAGAGGGAAAAGTTTGGAAAATC
GAAATAAGGAAAGACATGGAGAATATGGGGCTTGTTCCTCCCGGGCGGTGTGCTGGGGCCAGCAGC
CTGTGATCTACTGCGCCCGCCAGGCTCCCGGATGTGGGAAGTGAACCTTGACGGGAAGTGTCTCAGTAC
ACACCAGTTCAAGAAGCTCCTGTCAATGCCACCCCTCCCTGTGATCACTGCAAGATCAGAGCCTCAGTAT
GATCACACAGTTGGATCCTCCAGTCTTTGGCATTCCCAAACTCTTGCATCTTAGTGAACACTGTGTGC
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CAAGGAACGCCTGTTAAGGAGAGGCTGTGGGACCTGGCTGCTCGCACATGCTGTCTCTTCCAAAATTTCT
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TTACAGCCTGCAGTGAACATAATTTCTCAGCTGGACGACTTGATCTTAAGTTTCGAGCCTTTGGAGTCGGC
GTGCAGCAGCAGAAGAAGCTCCATCTCATCGCATGAAAGTTTTAGCATCTTGGACTCTGGTATTTATCGT
ATCATCAGTAGTAGAAGAGGCAGTCAGTCCGACGAAGATTCCTGTTCCCTTACAGCCAGACCTTCTCAG
AAGATGAAAGGCTTAAAGAATTTGCCTCACACCAGGAAGAGGAGCAGCCAGAGCAGGGCTGTGGTGCCAA
TAGGAATGAAGAGAGTGCTTCCACAGTCCAGTATGCTGAGGTAGATAAGAGTGAAGCTTTTCTGCC
TTCAGCATTGCACTGCCATTTCTTCCATCTCCCTCGTGTCTCTTACAGGCTGTTAAAGACAGTGTTT



CTAGCTTTGTGCGTAAAACACTGAGAAGATTGGCACCCCTCACGGAAGCCCGAGCTGAAAGAGCCTTT
 TGAATCCAAGGATGCTGACCGAGCACATGAAGAGGAAGTGAGTGCAGTACCTGCCTCTGGAGGAGGAC
 ACTGAGGAGAAAGAAATTCATCAACCTCTAAAGAAGACAGGCTCAAGAACTCACAGCAGCGACAGCAG
 AAGCAATGACCAAGTTATTGGACCTCTGGTCTGTTTGGACCCAAGGTGCTAAGAATGGTTTTACTTGA
 GTGGCTTTCACAGTTAGAGAAAAATTTGCCATGAAAGACTTCCCGGCATTTCCAATACCAGCAGTCCA
 ACCGTGAAATCAAACCTGGGTGCACACCTCCTCGGTGAGACAGAAAAGAGAGATTAGATGAAGAGAGTG
 GAGAAGGAAGAAGGGTCTTTAGTCACTGAAGAAGCTGGAGGTGAGTAACTGTGACCCTGTAAGCAA
 CCTCAGTGAGCCCTCGGCTGACCGTTTTTCGAGTATGCTCTCCATACGCCATCACAAACAGCCTTCAGAGG
 GACCTGGCGGAATTGACAACTGTGCTTGGAACTGAATGTGTTGACTTCAGCAATGAAAAGCGTAGGTG
 GGCATGTGGACCGGGCTTACAGCAGCTCTCTCCAGAAATCCTGGCTTGTGTTTTCTAAAGAAGTACTT
 TTTTCTTCTGGACTTAAAAGAGCAAAGGAGAGTATCAAGCTCACTTACGACAGCCCTTGCCTTTGGGAC
 ACTTTTGTGCAAGGACTAAAAGAAATGGCAAGATCTAATCTGCCTACACGGAGCTGGAAGAAGGAGACC
 TGCCACGGGGTTACAGTACTGGATGGCTCCGTCCTTCTGATAGTCCCTTGTGATTGCATTTGCCAC
 CCGGTTGTATGATAGATTTGGGGAGTCAGCCCTTCGAGCTTGCATCAAGTTTTATCCGTCCATTTGCC
 TCCGACATCGCACAGCTTGGCGTCATCATCTGCTCAGTCTTGGCCTATCTAGACAGTCTGGTGAAGT
 CCAAGCCGGAAGACCAGTGGCCATCCTTCTTGTGCTTCTTCTACAACCAGAGTCTTAAGACTGAATG
 GCTGCTTTTGGCAGTGTCCCATGATGCTCCACCAAGCACAAAGTACAGTGGATGATGAAGGGCACCCAGG
 CCCATTACACTTGCTTTCTTGGGGTTATAGTCAGCTGATTCTTCTTATTAAACTTCTGCAGACT
 TTACAACCAAAGAGAAAATGACTGACATCTGTAGGTCTTACGTTTTCTGGCCTGGATATCTTACCCTCTG
 TCTGGAGCTGGAGAGGAGGAGGGAGGCCTTACCAACATTGTGTATCTGAATGACATAAGCCTGATGGAA
 GGGGACAATGGGTGGATCCCTGAGACCTTGGAGGAATGGAAGCTTCTCTACATCTACTACAGACCAAGA
 GCACAAGGCCAGTCCCCAGGAGTCACTAAACGGGAGCCTCAGTATGGGCCAGCCCTATCAATGTGGA
 GAATGTGGCCCTCCTGTTAGCTAAGGCCATGGGCCAGATCGGGCCTGGTCACTGCTACAGGAGTGTGGT
 CTGGCTTTGAGTTGTCAGAAAAGTTCACCAGAACCTGTGATATCTGAGGATTGCTGAGAGAAGGCAGA
 GAGCGCTGATACAAGGCATGCTTGAAGAAGTGTACCGCTTCTCTGGTCCGACGAGGCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001167864
- Insert Size:** 3282 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_001167864.1](#), [NP_001161336.1](#)

RefSeq Size: 4729 bp

RefSeq ORF: 3282 bp

Locus ID: 246694

UniProt ID: [P59438](#)

Cytogenetics: 7 30.56 cM

Gene Summary: May regulate the synthesis and function of lysosomes and of highly specialized organelles, such as melanosomes and platelet dense granules. Regulates intracellular vesicular trafficking in fibroblasts. May be involved in the regulation of general functions of integrins. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) uses an alternate in-frame splice site in the coding region, compared to variant 1. This difference results in a shorter protein (isoform 2), compared to isoform 1.