

Product datasheet for **MC229395**

Hps5 (NM_001005248) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hps5 (NM_001005248) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hps5
Synonyms:	Al646796; AL022647; C85120; haze; hz; maroon; mr; ru-2; ru2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC229395 representing NM_001005248 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTTTGTGCCAGTGATACCAGAAGCCTACAGCCATGTTCTTGCAGAGTTTGAGTCCTTGGATCCGT
TACTCACAGCCCTGAGGCTGGACTCCAGTCGTCTGAGGTGTACCAGCATAGCTGTGTCTCGGAAATGGTT
GGCGTTAGGCAGCACAGGAGGAGGACTCAATCTCATTAGAAAGATGGCTGGAAGCAAAGGCTGTTTCTC
TCTCACCGGGAAGGGCAATCTCTCAGATTGCCTGCTGCTCATGATGATGATTATGTTGCTGTAGCTA
CCAGTCAAGGTCTTGTAGTTGTTTGGGAATTAATCAAGAGCGTCGTGGGAAGCCAGAACGAATTCATGT
GTCCTCAGAACACAAAGGCCGAAAAGTTACTGCCCTCTGTTGGGACACGGCTGTTCTGAGAGTCTTTGTC
GGTGACCATGTGGCAAAGTATCTGCCATCAAACACTTTGAAACAAGCAAAGCAGCTGCTGCCCT
TTGTGATGTTTCTGTGCAGACAGTACTAACAGTGGACTCGTGTGTCTGTCAGTTGGATTACTTGGATGG
AAGATTACTTGTGTCTTCACTGACTCGATCCTTCTTGTGTGACACCGAGAGGGAAAAGTTTTGGAAAATC
GGAAATAAGGAAAGACATGGAGAATATGGGGCTTGTTCCTCCCGGGCGGTGTGCTGGGGCCAGCAGC
CTGTGATCTACTGCGCCCGCCAGGCTCCCGGATGTGGGAAGTGAACCTTGACGGGAAGTGCTCAGTAC
ACACCAGTTCAAGAAGCTCCTGTCAATGCCACCCTCCCTGTGATCACTGCAAGATCAGAGCCTCAGTAT
GATCACACAGTTGGATCCTCCAGTCTTTGGCATTCCCAAACCTTTGCATCTTAGTGAACACTGTGTGC
TGACTTGGACAGAAAAGGAATTTATATTTTCATTCTCAGAATGTTCAAGTCTTCTTTGGAGTGAAGT
CAAGGATATTCAGGATGTAGCTGTCTACAAGAATGAATTGTTCTGTTTACACTTTAATGAAAAATCTCA
CATCTTTCCCTGTTGTCTGTGGAGCGCTGTGTAGAACGCCTGTTAAGGAGAGGCCTGTGGGACCTGGCTG
CTCGCACATGCTGTCTTCCAAAATTCTATTATTACCAGCAGAGCAAGAAAAACATTGACTGCAGATAA
GTTGGAGCATTTGAAGTCTCAGCTGGACCTTACAGCCTGCAGTGAACATAATTTCTCAGCTGGACGACTTG
ATCTTAAGGTTTCAGCCTTTGGAGTCGGCTGCAGCAGCAGAAGAAGCTCCATCTCATCGCATGAAAGTT
TTAGCATCTTGGACTCTGGTATTTATCGTATCATCAGTAGTAGAAGAGGCAGTCAGTCCGACGAAGATTC
TTGTTCCCTTACAGCCAGACCTTCTCAGAAGATGAAAGGCTTAAAGAATTTGCCTCACACCAGGAAGAG



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GAGCAGCCAGAGCAGGGCTGTGGTGCCAATAGGAATGAAGAGAGTGCTTCCCACAGTCCAGTGATGTCTG
 AGGTAGATAAGAGTGAAGCTTTTCTGCCCTTCAGCATTGCACTGCCATTCGTTCTCCATCTCCCCTCGT
 GTCTCTTCAGGCTGTTAAAGACAGTGTTTCTAGCTTTGTGCGTAAAACACTACTGAGAAGATTGGCACCCCTT
 CACGGAAGCCCCGAGCTGAAAGAGCCTTTTGAATCCAAGGATGCTGACCGAGCACATGAAGAGGAAGTGA
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 CCTTCAAGAACTCACAGCAGCGACAGCAGAAGCAATGACCAAGTATTGGACCCTCTGGTCTGTTTGAG
 CCCAAGGTGCTAAGAATGGTTTTACTTTGAGTGGCTTTCACAGTTAGAGAAAACATTTGCCATGAAAGACT
 TCCCCGGCATTTCCAATACCAGCAGTCCAACCGTGAAATCAAACCTGGGTGCACACCTCCTCGGTGAGAC
 AGAAAAGAGAGTATTAGATGAAGAGAGTGGAGAAGGAAGGGTCTCTTTAGTCACTGAAGAAGCTGGA
 GGTGAGATAACCTGTGACCCTGTAAAGCAACCTCAGTGAGCCCTCGGCTGACCGTTTTGAGTATGCTCTC
 CATACGCCATCACAACAGCCTTCAGAGGGACCTGGCGGAATTGACAACGTTGTGCTTGGAACTGAATGT
 GTTGACTTCAGCAATGAAAGCGTAGGTGGCATGTGGACCGGGCTTACAGCAGCTCTCCAGAAATC
 CTGGCTTGTGCTTCTAAAGAAGTACTTTTTTCTTCTGGACTTGAAAAGAGCAAAGGAGAGTATCAAGC
 TCACTTACGACAGCCCTTGCCTTTGGGACACTTTTGTGCAAGGACTAAAAGAAATGGCAAGATCTAATCC
 TGCTACACGGAGCTGGAAGAAGGAGACCTGCCACGGGGTTACAGTACTGGATGGCTCGTCCCTTCT
 GATAGTCCCTTGTGATTGCATTTGCCACCCGGTTGTATGATAGATTTGGGGAGTCAGCCCTTCGAGCTT
 GCATCAAGTTTTATCCGTCCATTTGCCCTCCGACATCGCACAGCTTTGCCGTATCATCTGCTCAGTT
 CTTGGCCTATCTAGACAGTCTGGTGAAGTCCAGGCCGGAAGACCAGTGGCCATCCTTCTTGAGTTCCTT
 CTACAACCAGAGTCTTTAAGACTTGAATGGCTGCTTTTGGCAGTGTCCCATGATGCTCCACCAAGCACA
 GTACAGTGGATGATGAAGGGCACCCAGGCCCATTCACACTTGCTTTCTGGGGTTATAGTCAGCTGAT
 TCTTCTTCTTATTAACCTCCTGCAGACTTTACAACCAAGAGAAAATGACTGACATCTGTAGGTCTTAC
 GGTTCCTGGCCTGGATATCTTACCCTCTGTCTGGAGCTGGAGAGGAGGGAGGGCCCTTACCAACATTG
 TGTATCTGAATGACATAAGCCTGATGGAAGGGGACAATGGTGGATCCCTGAGACCTTGGAGGAATGGAA
 GCTTCTCCTACATCTACTACAGACCAAGAGCACAAGGCCAGTCCCAGGAGTCACTAAACGGGAGCCTC
 AGTGATGGCCAGCCCTATCAATGTGGAGAATGTGGCCCTCCTGTTAGCTAAGGCCATGGGCCAGATC
 GGGCCTGGTCACTGCTACAGGAGTGTGGTCTGGCTCTTGAGTTGTGAGAAAAGTTACCAGAACCTGTGA
 TATCCTGAGGATTGCTGAGAGAAGGCAGAGAGCGCTGATACAAGGCATGCTTGAGAAGTGTGACCCTTC
 CTCTGGTCGCAGCAGGCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001005248
- Insert Size:** 3381 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001005248.2](#), [NP_001005248.2](#)

RefSeq Size: 4804 bp

RefSeq ORF: 3381 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 (2) differs in the 5' UTR, compared to variant 1, and encodes isoform 1. Variants 1 and 2 encode the same protein.