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Product datasheet for MC223665

Hps5 (NM_001005247) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hps5 (NM_001005247) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hps5
Synonyms:	AI646796; 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:

>MC223665 representing NM_001005247
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACTTTTGTGCCAGTGATACCAGAAGCCTACAGCCATGTTCTTGCAGAGTTTGAGTCCTTGGATCCGT
TACTCACAGCCCTGAGGCTGGACTCCAGTCGTCTGAGGTGTACCAGCATAGCTGTGTCTCGGAAATGGTT
GGCGTTAGGCAGCACAGGAGGAGGACTCAATCTCATTCAGAAAGATGGCTGGAAGCAAAGGCTGTTTCTC
TCTCACCGGGAAGGGGCAATCTCTCAGATTGCCTGCTGCTCTCATGATGATGATTATGTTGCTGTAGCTA
CCAGTCAAGGTCTTGTAGTTGTTTGGGAATTAAATCAAGAGCGTCGTGGGAAGCCAGAACGAATTCATGT
GTCCTCAGAACACAAAGGCCGAAAAGTTACTGCCCTCTGTTGGGACACGGCTGTTCTGAGAGTCTTTGTC
GGTGACCATGTGGGCAAAGTATCTGCCATCAAACTCAACACTTTGAAACAAGCAAAAGCAGCTGCTGCCT
TTGTGATGTTTCCTGTGCAGACAGTACTAACAGTGGACTCGTGTGTCGTCCAGTTGGATTACTTGGATGG
AAGATTACTTGTGTCTTCACTGACTCGATCCTTCTTGTGTGACACCGAGAGGGAAAAGTTTTGGAAAATC
GGAAATAAGGAAAGACATGGAGAATATGGGGCTTGTTTCTTCCCCGGGCGGTGTGCTGGGGGCCAGCAGC
CTGTGATCTACTGCGCCCGCCCAGGCTCCCGGATGTGGGAAGTGAACTTTGACGGGGAAGTGCTCAGTAC
ACACCAGTTCAAGAAGCTCCTGTCAATGCCACCCCTCCCTGTGATCACTGCAAGATCAGAGCCTCAGTAT
GATCACACAGTTGGATCCTCCCAGTCTTTGGCATTCCCCAAACTCTTGCATCTTAGTGAACACTGTGTGC
TGACTTGGACAGAAAAGGGAATTTATATTTTCATTCCTCAGAATGTTCAAGTTCTTCTTTGGAGTGAAGT
CAAGGATATTCAGGATGTAGCTGTCTACAAGAATGAATTGTTCTGTTTACACTTTAATGGAAAAATCTCA
CATCTTTCCCTGTTGTCTGTGGAGCGCTGTGTAGAACGCCTGTTAAGGAGAGGCCTGTGGGACCTGGCTG
CTCGCACATGCTGTCTCTTCCAAAATTCTATTATTACCAGCAGAGCAAGAAAAACATTGACTGCAGATAA
GTTGGAGCATTTGAAGTCTCAGCTGGACCTTACAGCCTGCAGTGAACTAATTTCTCAGCTGGACGACTTG
ATCTTAAGGTTCGAGCCTTTGGAGTCGGCGTGCAGCAGCAGAAGAAGCTCCATCTCATCGCATGAAAGTT
TTAGCATCTTGGACTCTGGTATTTATCGTATCATCAGTAGTAGAAGAGGCAGTCAGTCCGACGAAGATTC
TTGTTCCCTTCACAGCCAGACCTTCTCAGAAGATGAAAGGCTTAAAGAATTTGCCTCACACCAGGAAGAG

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GAGCAGCCAGAGCAGGGCTGTGGTGCCAATAGGAATGAAGAGAGTGCTTCCCACAGTCCAGTGATGTCTG
AGGTAGATAAGAGTGAAGCTTTTCTGCCCTTCAGCATTGCACTGCCATTTCGTTCTCCATCTCCCCTCGT
GTCTCTTCAGGCTGTTAAAGACAGTGTTTCTAGCTTTGTGCGTAAAACTACTGAGAAGATTGGCACCCTT
CACGGAAGCCCCGAGCTGAAAGAGCCTTTTGAATCCAAGGATGCTGACCGAGCACATGAAGAGGAAGTGA
GTGCAGTCACCTGCCCTCTGGAGGAGGACACTGAGGAGAAAGAAATTCATCAACCTCCTAAAGAAGACAG
GCTTCAAGAACTCACAGCAGCGACAGCAGAAGCAATGACCAAGTTATTGGACCCTCTGGTTCTGTTTGAG
CCCAAGGTGCTAAGAATGGTTTTACTTGAGTGGCTTTCACAGTTAGAGAAAACATTTGCCATGAAAGACT
TCCCCGGCATTTCCAATACCAGCAGTCCAACCGTGAAATCAAACTTGGGTGCACACCTCCTCGGTGAGAC
AGAAAAGAGAGTATTAGATGAAGAGAGTGGAGAAGGAAGAAGGGTCTCTTTAGTCACTGAAGAAGCTGGA
GGTCAGATAACCTGTGACCCTGTAAGCAACCTCAGTGAGCCCTCGGCTGACCGTTTTCGAGTATGCTCTC
CATACGCCATCACAAACAGCCTTCAGAGGGACCTGGCGGAATTGACAACGTTGTGCTTGGAACTGAATGT
GTTGACTTCAGCAATGGAAAGCGTAGGTGGGCATGTGGACCGGGCTTCACAGCAGCTCTCTCCAGAAATC
CTGGCTTGTCGTTTCCTAAAGAAGTACTTTTTTCTTCTGGACTTGAAAAGAGCAAAGGAGAGTATCAAGC
TCACTTACGACAGCCCTTGCGTTTGGGACACTTTTGTCGAAGGACTAAAAGAAATGGCAAGATCTAATCC
TGCCTACACGGAGCTGGAAGAAGGAGACCTGCCCACGGGGTTACAGTTACTGGATGGCTCCGTCCCTTCT
GATAGTCCCTTGTTGATTGCATTTGCCACCCGGTTGTATGATAGATTTGGGGAGTCAGCCCTTCGAGCTT
GCATCAAGTTTTATCCGTCCATTTCGCCCTCCGACATCGCACAGCTTTGCCGTCATCATCCTGCTCAGTT
CTTGGCCTATCTAGACAGTCTGGTGAAGTCCAGGCCGGAAGACCAGTGGCCATCCTTCCTTGAGTTCCTT
CTACAACCAGAGTCTTTAAGACTTGAATGGCTGCTTTTGGCAGTGTCCCATGATGCTCCACCAAGCACAA
GTACAGTGGATGATGAAGGGCACCCCAGGCCCCATTCACACTTGCTTTCTTGGGGTTATAGTCAGCTGAT
TCTTCTTCTTATTAAACTTCCTGCAGACTTTACAACCAAAGAGAAAATGACTGACATCTGTAGGTCTTAC
GGTTTCTGGCCTGGATATCTTACCCTCTGTCTGGAGCTGGAGAGGAGGAGGGAGGCCTTCACCAACATTG
TGTATCTGAATGACATAAGCCTGATGGAAGGGGACAATGGGTGGATCCCTGAGACCTTGGAGGAATGGAA
GCTTCTCCTACATCTACTACAGACCAAGAGCACAAGGCCAGCTCCCCAGGAGTCACTAAACGGGAGCCTC
AGTGATGGGCCAGCCCCTATCAATGTGGAGAATGTGGCCCTCCTGTTAGCTAAGGCCATGGGCCCAGATC
GGGCCTGGTCACTGCTACAGGAGTGTGGTCTGGCTCTTGAGTTGTCAGAAAAGTTCACCAGAACCTGTGA
TATCCTGAGGATTGCTGAGAGAAGGCAGAGAGCGCTGATACAAGGCATGCTTGAGAAGTGTGACCGCTTC
CTCTGGTCGCAGCAGGCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001005247

Insert Size: 3381 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

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_001005247.2, NP_001005247.2
RefSeq Size:	4828 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 (1) represents the longest transcript and encodes isoform 1. Variants 1 and 2 encode the same protein.