

Product datasheet for **RN211496**

Hps1 (NM_040669) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hps1 (NM_040669) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hps1
Synonyms:	Hps
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN211496 representing NM_040669
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAGGTGTGTGTGGTGGCCACTGAGGGCGCAGAGGTCTCTTCTACTGGACGGATGAGGAATTTGAGG
 AGAACCTCCGGCAGAAGTTCAGGCAGTCAGAGAATGAGGAAGAGGAGCTCCCTGTGCTGGAGGACCAACT
 CAACACCCCTCTGGCTCCGGTCACTATCTTACATGACGATGCTGGAGAAGCTCTCGGACACGTACACC
 TGCTTCTCAACAGAAAACGGCGACCACTGTATGTCTGCATCTGTTGGAGAGTGCCTGTTTCATCGCCA
 TCAATGGAGACCACAGTGAGAACGAAGGGGACCTGCGGAGGAAGCTGTGCGTGCTCAAGTACCTGTTTGA
 GGTGCACTTCGGGCTGGTACTGTGGACAGCCAGCTCATCCGGAAGGAGCTTCGTCCTGCTGACCTGGAA
 CAGCGTGCCAGGTGTGAAGCACTTTCAAAGACTGCTGGGGACCTACAGTCGCTGCGTGAACAGGAGC
 AGAGCTTTGCTGTGGAGGCTGTGGAGCGGCTCATTACGCCAGCTCTGCGAACTGAGCATCGAGACCTT
 GGAGCGACATGTGTTCAAGCGTCAACTCCAGCCCTGAGCGGGCGGTGAGGAGTCTGTCATGCCTTC
 CTGCTTGTGCACTGTAAGCTGCTGGCTTTCTACTCCAGCCATGTTGCGAGCGCCCTGCGCCCTGCAGATC
 TCCTGGCCCTCATCCTTCTGTTTCAAGACCTCCAGCCCTCCCAAGGCACCAACCGAGGAGGAGGAGGATGG
 CAATGACGGCCCTCAGCCTTTCCCCATAGGAGACCCATGAGCAGCCAGAATCCCACTCCAGCAGTGC
 AGGAGCCAGAGACCTCAGTTCACCAGGAGTTCGAAGGAGACAGACAGACAGCATCTCCCTCCCTG
 AGGAGTACTTCACCCCTGCTCCTTCCCGGGCGAGCAGAGTTCAGGTAGCCTCGTCTGGCTGGATGGTGG
 CACCCCGCCAGCAGCTCCTTCAGATGGCTGAGGACACCCTCAACGGGCTGGCGCCCACTCCCAAGAG
 CTTCCAGGCCAGAAGGATCTTCTGGATGCCAACATAAAAGAAAAGTACTGTCCTTGGTGCCCCACA
 CCATGTACTGCCCTGCCCCGTGGCGGGCATCAGCATGGTGTGCTGACCAAGAGTCCAGCACCCCACT
 GGCCCTGATCCTGTACCAACTGCTAGATGGCTTCTCGCTACTGGAGAAAAGCTGAAGGAAGGTCAGGAG
 GCCGGAAGTGCCCTGCGGTCCAGCCCTTTGTTGGAGACCTGCGCCAGAAGATGGACAAGTTTATCAAGA
 ATCGAGTTGGGAGGAGATTAGAACGCCTGGCTGGAGTTCAAAAGCAAAGCCTTCTCTAGAAGTGAACC
 AGGATCGTCTGGGAGCTGCTTCAGATCTGTGAAAGCTGAAGCGACAGCTGTGTGCCATCTACCGGCTA
 AACTTCTGGCCACTGCACCCAGCAGGGGAGGCCACACCTGCCCCAGCACCTGCAAAGCCAAGCCGAGA
 AACTCATGAAGGAGCGACTTCAGGACTGGAAGGACTTCTGTTGGTGAAGAGCTGGAGAAATGTCACCAT
 AGTGTCTACCTGGAGGATTTCCAGGCCTGGTCACTTCATCTATGTGGACCGTACGACAGGGCAGATG
 GTGGCTCCTTCTCTAGCCCCAGTGAAAAATGTCTTCTGAGTTGGGCAAGGGGCCCTGGCTGCCTTCG
 TCAAAGCCAAGGTCTGGGCTCTGATCCGACTGGCAGCAGGTACCTGCAGAAGGGCTGCACCACGCTGCT
 ATTCCAGGAAGGGGACTTCCGCTGCTCCTACTTCTGTGGTTCGAGAACGACATGGGATACAAAATGCAG
 ATGATCGAGGTGCCTGTCTCTCCGATGACTCAGTCCCCATTGGCGTGCTGGGAGGTGACTACTACAGGA
 AGCTCCTTCGTTACTACAGCAAGAGCCGCCCTCGGAGCCGGTCAAGTGCTATGAGCTGCTGACACTGCA
 CCTGTCCGTATCCCCACTGACCTGCTGGTGCAGCAGGCCAACAGCTCGCCCGCGCCTGGGGGAGGCC
 TCCCGGGTGACCCTGCCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_040669

Insert Size:

2121 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:	<u>NM_040669.1, NP_414541.1</u>
RefSeq Size:	2642 bp
RefSeq ORF:	2121 bp
Locus ID:	114638
Cytogenetics:	1q54
Gene Summary:	human homolog plays a role in melanosome and lysosome organelle biosynthesis [RGD, Feb 2006]