

Product datasheet for **MC221755**

Hps6 (NM_176785) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hps6 (NM_176785) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hps6
Synonyms:	5330434M19Rik; BLOC2; ru
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221755 representing NM_176785
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGCGTGCAGGAACCTGCGCCTGCTTTCGGATCTGAGCAACTTCACCGGCGCGGCCGGCTCCGCG
 AGTTGTTGGCGGGGACCCAGCTGTCTAGTCCGCTGCAGCCCTGACGGCCGCACTTGCTGCTATTAAG
 ACCCCCCGGATCGCCCGCCACAGCTTCTAGTGGCTGTGCGTGGGCCCGGCTGCCGCTGGAGCGTGCC
 TGGCCGGAGGGGACCCCTCGCCGCTGGACGTCTTTTTCGTGCCGTGGCTGGCGGACCCGCGCTGATCT
 TGGTATGGGAGAGTGGCCTAGCAGAGGTTTGGGCGTGGGGATGGAGCCTGGATGGAAGCTACTTCAGAG
 CACTGAGCTGTGTCGGATGGTGGAGCCCGCTGATGGCCGTGGCCGCAACCCGAGGCGCCCTAGTTTGG
 TGCGAGGAGCGTCAGCCGGGTGTTAAGGACCAACCAGAGCAGCTTCAACGGCCTTCAGCCACCGTGTGT
 GCTTCAAGACCCTGGAACCAGCGGGGAGGCTGGCACAACTAGGCTGCACCCACATCCTGCTACACCA
 TTGCCCCCTTTTGGACTGATAGCTCCGCAAGGACCTTCTCCTGGTGCCTACTACCAACTTGGTCT
 GGTGTGGCCACCTTCTGCTCATCTGGAGCCCAAGCAAGGGGAAGTAATAGTTGCTGCTCCATCTTTG
 GTCTTTCACACAGTAAAAGCCTGAATCCAAAACAGGGGACACTTGGGACTTCCGGACCCTGCTGCGAGG
 CCTTCTGGATTCTGTCCCCAGGGAGCCACTGGCTGTACACACTTGGGCCCATCTTCGAGGGCTTG
 TTGTTGCTTGACTTGAAGGGGAAGGTGAGCCTAGTGCAGTGCCATGGTGGTACTCGAACCCTGGGAATCC
 TGCAGGAGGCCCTGTAAGCCTAAAAGGGTCTGCAGCCCTGGGGACATTTACGGCACTTACGCTGTGT
 CCTGGGCTCCACCTTGAACACTGAGCATGAGCAGTGGGCGGCTGTTGGAAAAAGGTTCTCAGTACA
 GACAGAGTACATTTGCTGGAGCCTCCAGCCCGGGCATGAAGAACGAGGAAGAGCTGGAGACCCGAGGAG
 CCCTACGATTGCTTTCAGCCTTGGGTCTCTTTTGTGTGTTGGGAACTCCCAAGGCCTTGGAGTGC
 TTCAGACAAGGACCTGGTGTGTTGAGGAGCCTGTGGGTACTACCAGCGTCGGAGCCTTCGAGGTACCCAG
 CTTACCCAGAAGAACTGAGACACAACAGCATGTTTCGGGCACCTCAGGCCCTGGCCTCCATCCTCCAGG
 GCCACCTGCCCCGCTCTACACTCCTGACAACTGAGGGCTGAGCTCCGGGATTATCGTAGTATAGAACA
 GCTCAAGGCCAGCTGGTGGCTGGGAGCAGTGGAGGGCTGGCTGGACTGAGTTAGCGGAGCAGGAGGTG
 GCCCGCTGTGAGAACCAGTTGACAGGAGACCAGCTGGCCCAATTCAACACCATTTTCCAAGCCCTTC
 CTACAGCAGCTTGGGTGCCACCCTCCAGGCAGTGCAGCTCCAGCCAGATAGGAGTGGCAGGCTGAGGTC
 CCAAGCACCCCGGATGTATGGAAGAAGGTCCTAAGGGCTCCAACAGCTGGAAGGAACATCCCAATGGA
 ATACTGCCGCCCTTGAACCTCTGTGTCAGTGCCTGGCCAGCTCGAGCCTCAGTGGCTCCCCCATTTG
 TGAAACTGGCACAGCAGAGGGTGGCCCGGCTGGGGGGCTGAAGGCCCAAGTCTGCCCTTTACCGCCG
 AGCCCTGGCAGTCTAGGTGAGGAAGGGAAGAGGCTGAGGCTCTGGAACCTCGAGTTGCTTTTGGGCA
 GGGCGACCCAAAGCCGTGCTACAAGCTGTAAGGCAGCTGATAAAGAAAGAAGAGTGGGAACGGGCTCTGG
 AAGCCGGGCTGGCCCTGGATGCCTCCAGCCCTGCTTCGAAGTGAAGTCTTTAAGCTGTGCTGGCAGA
 GTTTGCCAGCACCGCCGCTGGATGCACACCTCCCTCTCCTCTGTGCTGCTGCCACCGGAAGTGGCT
 CCACATGAGCTCCTACTTCTGCTGAGGACACATCTCCAGATGATGAGGGAACCCCTTTCCCTGAGC
 CTGGGGCAGAGCCCCCTCACAGTGGGCTTGGTCAGAGCCCTGCTAGAACAGACTGGGGCTCAAGGAAG
 GCCGTCTGGCCAGTTCAAAGCACCTATGAGGACATCTTATGGGACCCAGGCACTCCACCCCTACACCA
 CCTCGTGGACCCACTGCTTCTCCTCCGGCATCAGACCATCCAGGACAAGAAGCCTGGGTACCACCTGGAC
 AAGGGCTCGTGCAGCTGATGTGGGAGTTCATTTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_176785
Insert Size: 2418 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:	<ol style="list-style-type: none">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_176785.3 , NP_789742.2
RefSeq Size:	2696 bp
RefSeq ORF:	2418 bp
Locus ID:	20170
UniProt ID:	Q8BLY7
Cytogenetics:	19 38.75 cM
Gene Summary:	May regulate the synthesis and function of lysosomes and of highly specialized organelles, such as melanosomes and platelet dense granules (By similarity). Acts as cargo adapter for the dynein-dynactin motor complex to mediate the transport of lysosomes from the cell periphery to the perinuclear region. Facilitates retrograde lysosomal trafficking by linking the motor complex to lysosomes, and perinuclear positioning of lysosomes is crucial for the delivery of endocytic cargos to lysosomes, for lysosome maturation and functioning (PubMed:25189619).[UniProtKB/Swiss-Prot Function]