

Product datasheet for **RN209553**

Hps6 (NM_181432) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hps6 (NM_181432) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hps6
Synonyms:	Hsp6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209553 representing NM_181432
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCGTGCAGGAACCTGCGCCTGCTTTCGGATCTGAGCAACTTCACTGGCGCGGCCCGGCTCCGCG
 AGTTGTTGGCAGGGGACCCAGCTATCCTAGTCCGCTGCAGCCCTGATGGCCGTCACTGCTACTGTTAAG
 ACCTCCCGGATCGCCCGCCCCAACTTCTAGTGGCTGTGCGTGGGCCGGGCTGCCTCTGGAGCGTGCC
 TGGTGGAGGGGACCCCTCGCCGCTGGACGTCTTTTTCGTTCCATGGCTGGCGGACCCGCGCTGATAT
 TGGTATGGGAGAGTGGCCTAACAGAGGTGTGGGGCGTGGGGATGGAGCCTGGATGGAAGCTACTTCAGAG
 CACTGAGTTGTGTCGGATGGTGGAGCCCGCTGATGGCTGTGGCAGCAACCCGAGGCCCTAGTTTGG
 TGCGAGGAGCGTCAGCCTGGCGTTGAGGACCAACCAGGGCAGCTTCAATGGCCTCAACCACTGTGTGT
 GCGTCAAGACCCTGGACACCAGCGGGGAGGCTGGCACAAACTAGGCTGCACCCACATCCTGCTGCATCA
 CTGCCCTCTTTTGGACTGATAGCCTCCGCAAGGAACCTTCTGGTGCCTACTCCACCCTGGCCT
 GGTGTGGCCCATGTTCTGCTCATCTGGAGCCCAAGCAAGGGGAAGTAATAGTTGCTGCCCATCTCTCG
 GTCTTCTCACAGTAAAAGCCTGAATCCAAAACAGGGGATACTTGGGACTTTCGGACCCTGCTGCGAGG
 CCTTCTGGATTCTGTCCCCAGGGAGCCGCTGGCTGTACACACTTGGGCCCATCTTCCAGGGCTTG
 TTGTTGCTTGACTTGAAGGTAAGGTGAGCCTAGTGCAGTGCCATGGTGGTACTCGAACTGTGGGACTCC
 TGCAGGAGGCACCTGTAGGTCTACAAGGTCTGCAGCCCTGGGAACATTTTCATGGCACCTTAGCCTGTGT
 CTTGGGCTCCACCTTGAAGTCTGAGCCTCCAGCCCTGGCGTGAAGAATGAGGAAGACCTAGAGACCCGAGGAG
 GACAGAGTACACCTCCTGGAGCCTCCAGCCCTGGCGTGAAGAATGAGGAAGACCTAGAGACCCGAGGAG
 CTCTCCGTTTGCCTTTCAGCCTTGGGTCTCTTTTGTGTGTTGGGAAGCTCCCCAAGGCCTTGGAGTGCC
 CTGGGACAAGGATCTGGTGTGTTGAGGAGCCCTGTGGGTACTACCAGCGTGGGAGTCTTCGAGGCACCCAG
 CTTACCCCGAAGAGCTGAGACACAACAGCATGTTTCGGGCACCTCAGGCCTTGGCCTCCATTCTCCAGG
 GCCACCTGCCCATCTGCACTATTGACCACCCTGAGGGCTGAACTTCGAGATTATCGGAGTATAGAACA
 GCTCAAGGCCAGCTGGTGGCTGGGGATGATGAAGAGACGGGCTGGACGGAGTTAGCAGAGCAGGAGGTG
 GCACGCCTGTGAGAACCCTTACAGGAGACCAGCTGGCCCAATTCAACACCTTTTCCAAGCCCTTC
 CTACAGCAGCTTGGAGTGCCACCCTCCAAGCCCTACAAGTGCAGCCGGATAGGAGTGGCAGGCTGAGGTC
 CCAAGCGCCCCGGATGTATGGAAGAAAGTCTGAGGGCTCCAACGGCTGGAAAGGAACATCCCAATGGA
 ATCCTGCCTCCCTTGAAGTCTGTGTGTCAGTGCCTAGGCCAGCTAGAGCCTCAGTGGCTTCCCCGTTTG
 TGGAACTGGCACAGCAACAGGGTGGTCCAGGCTGGGGCGCCGAAGTCCCAGTCTGCCCTTTATCGCCG
 AGCCCTGTCCGTGCTGGGTGAGGAAGGGAAGAGACCTGAGGCTCTAGAATCGAGCTGCTTCTGGGCAGC
 GGGCGACCCAAAGCCGTGCTACAAGCTGTGAGGCAGCTAATAAAGAAAGAAGTGGGAACGGGCTCTGG
 AGGCCGGCCTGACCTGGACTCTCCAGCCCTGCTTCAAGCGAGATCTTCAACCTGTGCTGGCAGA
 GTTTGCCAGCACCGCCGCTTGATACACACCTCCCTCTCTCTGTCGCTGTGCCACCCAGAAGTGGCT
 CCAGATGAGCTCCTGCTTCTACTGAGGACACATCTCCAGACGATGCGGGAGCCACCCCTTCCCTGAGC
 CTGGGGCTGAGCCTGGGGCTGAGCCCCCTCACAGTGGGCTTGGTCAGAGCCCTGCTAGAACAGACTGG
 GGCTCAGGGAAGTCTCTGGCCAGTTCAAAGCACCTTTGAGGACATCCTATGGGATTCAGGCACTCCA
 CCCCCTACCCACCTCGCGGACCTATGACTACTCTCCAGGCATCAGACCACCCAGGGCAGGAAGCCTGGG
 GACCATCTGGACAGGGGCTTGGTGCAGCTGACGTGGGAGTTCATTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_181432
Insert Size: 2430 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_181432.2 , NP_852097.1
RefSeq Size:	2636 bp
RefSeq ORF:	2430 bp
Locus ID:	309446
UniProt ID:	Q7M733
Cytogenetics:	1q54
Gene Summary:	mouse homolog may be involved in synthesis of highly specialized lysosome-related organelles; mutation of human homolog is associated with Hermansky-Pudlak syndrome [RGD, Feb 2006]