

Product datasheet for **SC321021**

HPS6 (NM_024747) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HPS6 (NM_024747) Human Untagged Clone
Tag:	Tag Free
Symbol:	HPS6
Synonyms:	BLOC2S3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024747.4
 GCTCCGCTCCCCGAAATCGGGCCTCGCCCTGCTGGGCGGCTGGACCTGGGCAAAGCCT
 GGGCGCGCTCCCGCGCAGCGGCGCCATGAAGCGCTCGGGGACTCTGCGGCTGCTCTCGGA
 CCTGAGCGCCTTCGGCGGCGCGGCGGCTCCGGGAGCTGGTGGCCGGGACTCAGCGGT
 CCGAGTCCGTGGCAGTCCGGACGGCCCACTTGTGCTCCTGCGACCCCTGGGCGGT
 AGCCCCACAGCTGCTAGTCGCGTCGCGAGGGCCCGCGCGGAGCTAGAGCGGGCCTGGCC
 GGCCGGCCAGCCCTCCCCGCTGGACGCCCTTCTTCTGCGGTGGCCAGCGCGGCGGCGCT
 GGTGCTGGTGTGGGAGAGTGGCCTGGCCGAGGTGTGGGCGCGGCGTGGGGCCTGGCTG
 GCGGCCGCTGCAGAGCACCGAGCTGTGTCCGGGCGGGGAGCCCGCTTGTGGCAGTGGC
 GGCGCTCCGAGGCCGCTGGTGTGGTGGCAGGAGCGCAGGCCCGGGCCGAGGGCCGCTC
 AGGGTCCGACGACGCCGCTTTCAGCCACTGTGTGTGCGTCCGGACTCTGGAGCCAGCGG
 GGAAGCTAGCACCAGCCTGGGCCGACACACGTCTGCTGCACCACTGCCCTGCCTTCGG
 GCTGCTGGCCTCTGCAGACAACTTCTTCTGGTGGCCACTGCCACCACCTGGCCTGGCGT
 GGCCACGTTCTACTCATCTGGAGCCCAGGCAAGGGCAAAGTGATGGTGGCTGCCCCACG
 GCTTGGTCTCTCTACAGTAAGAGTCTGAATCCTGGACGAGGGGACACATGGGACTTCCG
 GACCCTGCTCCGAGGCCCTTCTGGGTGCTGTCCCCAGGGAGCCACTGGCTGTACACAC
 CTGGGCCCAACTCCCCAGGGCCTGCTGTTGCTTGACTTCGGGGCACTGTGAGCCTATT
 GCAGTCCCACGGTGGTACGCGGGCTGTGGGCACCCTGCAGGAGGCACCTGTAGGCCCGTG
 GGGGTCTGCAGCCCTAGGCACATTTTCAGGGCACTCTGGCCTGTGTGCTGGGCTCCACATT
 GGAAGTCTGGACATGGGCAGTGGGCGAGTGTGGAGAGGAAGGTCTAAGTACAGACAG
 GGTACATCTGCTAGAACCAGCCAGCCCCGGCATGGAGGATGAGGAAGAGCTGGAGACCCG
 AGGGAATCTTCGCTGCTTTTCAGCCTTGGGTCTGTTTTGTGTGGGCTGGGAAGCCCCACA
 GGGTGTGAGTTGCCTTCAGCCAAGGATCTGGTGTGGAGGAGCCTGCGGGTACTACCA
 GCGGCGGAGCCTGCGGGGTGCCAGCTCACTCCAGAAGAACTGAGACACAGCAGCACATT
 CCGGGCACCTCAGGCTCTGGCCTCCATCCTCCAGGGCCACCTGCCCCATCTGCACTGCT
 GACCATGTTGAGGACCGAGCTTCGGGATTACCGAGGCTTAGAACAGCTGAAGGCCAGCT
 GGTGGCTGGGGATGATGAGGAGGCTGGTTGGACTGAGCTGGCGGAGCAGGAAGTGGCAG
 CCTGCTGAGGACTGAGTTGATAGGAGACCAGCTAGCCAGCTCAACACCGTTTTTCAAGC
 CCTTCTACAGCAGCCTGGGGTCCACCCTCAGGGCCCTGCAGCTCCAGCTAGATGGGAA
 TGGCAAGCTGAGGTCCCAAGCACCCCTGATGTGTGGAAGAAAGTGTAGGGGGAATAAC
 CGCTGGAAGGAACCCCAATGGAATACTGCCCCCTTTGAACTCCTGTGCCAGTGTCT
 GTGCCAGCTGGAGCCTCGATGGCTGCCACCCTTTGTGGAGCTGGCACAACAGCAGGGCGG
 GCCGGGCTGGGGGCGAGGGGGCCAGGACTGCCCTGTATCGCCGAGCTCTGGCAGTGT
 AGGTGAGGAGGGGACCAGGCCTGAGGCTCTGGAGCTAGAGCTGCTTGGAGCAGTGGGCG
 GCCTAAAGCTGTGCTCCAAGCTGTGGGCGAGCTGGTGCAAAGGAACAATGGGATCGGGC
 TCTGGATGCTGGCCTGGCCCTCGGCCCTCCAGTCCCCTGCTTCGAAGTGAATCTTCAA
 ACTGCTGCTGGCCGAGTTTGGCCAGCACCGCGGCTTGTGCTCACCTCCCCCTCCTTTG
 CCGCCTGTGCCACCAGAACTGGCTCCAGCTGAGCTCCTGCTTCTACTGAGGACATACCT
 CCCAGATGAGGTGGGGCCCCAACCCATTCCCTGAGCCTGGAGCAGAGCCCCCTCAC
 TGTGGGCTTGTCAAAGCCCTGCTGGAGCAGACTGGGGCTCAAGGATGGCTGTGGGGCC
 AGTTCTAAGCCATATGAGGACATCCTATGGGACCCAGCACTCCACCCCGACTCCACC
 TCGGGACCTATGACTACCCTTACGGCATCAGAACACTCAGGGCCTGGAGGCTTGGTGGG
 ACTGGAGGCTTGGTGGACAGTTCTCTGTGTCAGTACACAGGAAATCATTTCTAGGAC
 ACAGTGATCAGGGAAGGGTGCCTGGGACTTGGAGGGTCCCATGTATGGACCTGTGTATGC
 AATACTGTTCCGTCATCTGGAGCTATTTTTAAGATGTGTGTGTTAAATATATACATAGTT
 TAATATATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_024747

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_024747.4, NP_079023.2</u>
RefSeq Size:	2674 bp
RefSeq ORF:	2328 bp
Locus ID:	79803
UniProt ID:	<u>Q86YV9</u>
Cytogenetics:	10q24.32
Gene Summary:	This intronless gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. This protein interacts with Hermansky-Pudlak syndrome 5 protein. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 6. [provided by RefSeq, Jul 2008]