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Product datasheet for SC310162

HPS1 (NM_000195) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HPS1 (NM_000195) Human Untagged Clone
Tag:	Tag Free
Symbol:	HPS1
Synonyms:	BLOC3S1; HPS
Mammalian Cell Selection:	None
Vector:	pCMV6-XL6
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_000195 edited
ATGAAGTGCGTCTTGGTGGCCACTGAGGGCGCAGAGGTCCTCTTCTACTGGACAGATCAG
GAGTTTGAAGAGAGTCTCCGGCTGAAGTTCGGGCAGTCAGAGAATGAGGAAGAAGAGCTC
CCTGCCCTGGAGGACCAGCTCAGCACCCTCCTAGCCCCGGTCATCATCTCCTCCATGACG
ATGCTGGAGAAGCTCTCGGACACCTACACCTGCTTCTCCACGGAAAATGGCAACTTCCTG
TATGTCCTTCACCTGTTTGGAGAATGCCTGTTCATTGCCATCAATGGTGACCACACCGAG
AGCGAGGGGGACCTGCGGCGGAAGCTGTATGTGCTCAAGTACCTGTTTGAAGTGCACTTT
GGGCTGGTGACTGTGGACGGTCATCTTATCCGAAAGGAGCTGCGGCCCCCAGACCTGGCG
CAGCGTGTCCAGCTGTGGGAGCACTTCCAGAGCCTGCTGTGGACCTACAGCCGCCTGCGG
GAGCAGGAGCAGTGCTTCGCCGTGGAGGCCCTGGAGCGACTGATTCACCCCCAGCTCTGT
GAGCTGTGCATAGAGGCGCTGGAGCGGCACGTCATCCAGGCTGTCAACACCAGCCCCGAG
CGGGGAGGCGAGGAGGCCCTGCATGCCTTCCTGCTCGTGCACTCCAAGCTGCTGGCATTC
TACTCTAGCCACAGTGCCAGCTCCCTGCGCCCGGCCGACCTGCTTGCCCTCATCCTCCTG
GTTCAGGACCTCTACCCCAGCGAGAGCACAGCAGAGGACGACATTCAGCCTTCCCCGCGG
AGGGCCCGGAGCAGCCAGAACATCCCCGTGCAGCAGGCCTGGAGCCCTCACTCCACGGGC
CCAACTGGGGGGAGCTCTGCAGAGACGGAGACAGACAGCTTCTCCCTCCCTGAGGAGTAC
TTCACACCAGCTCCTTCCCCTGGCGATCAGAGCTCAGGTAGCACCATCTGGCTGGAGGGG
GGCACCCCCCCCATGGATGCCCTTCAGATAGCAGAGGACACCCTCCAAACACTGGTTCCC
CACTGCCCTGTGCCTTCCGGCCCCAGAAGGATCTTCCTGGATGCCAACGTGAAGGAAAGC
TACTGCCCCCTAGTGCCCCACACCATGTACTGCCTGCCCCTGTGGCAGGGCATCAACCTG
GTGCTCCTGACCAGGAGCCCCAGCGCGCCCCTGGCCCTGGTTCTGTCCCAGCTGATGGAT
GGCTTCTCCATGCTGGAGAAGAAGCTGAAGGAAGGGCCGGAGCCCGGGGCCTCCCTGCGC
TCCCAGCCCCTCGTGGGAGACCTGCGCCAGAGGATGGACAAGTTTGTCAAGAATCGAGGG
GCACAGGAGATTCAGAGCACCTGGCTGGAGTTTAAGGCCAAGGCTTTCTCCAAAAGTGAG
CCCGGATCCTCCTGGGAGCTGCTCCAGGCATGTGGGAAGCTGAAGCGGCAGCTCTGCGCC
ATCTACCGGCTGAACTTTCTGACCACAGCCCCCAGCAGGGGAGGCCCACACCTGCCCCAG
CACCTGCAGGACCAAGTGCAGAGGCTCATGCGGGAGAAGCTGACGGACTGGAAGGACTTC
TTGCTGGTGAAGAGCAGGAGGAACATCACCATGGTGTCCTACCTAGAAGACTTCCCAGGC
TTGGTGCACTTCATCTATGTGGACCGCACCACTGGGCAGATGGTGGCGCCTTCCCTCAAC
TGCAGTCAAAAGACCTCGTCGGAGTTGGGCAAGGGGCCGCTGGCTGCCTTTGTCAAAACT
AAGGTCTGGTCTCTGATCCAGCTGGCGCGCAGATACCTGCAGAAGGGCTACACCACGCTG
CTGTTCCAGGAGGGGGATTTCTACTGCTCCTACTTCCTGTGGTTCGAGAATGACATGGGG
TACAAACTCCAGATGATCGAGGTGCCCGTCCTCTCCGACGACTCAGTGCCTATCGGCATG
CTGGGAGGAGACTACTACAGGAAGCTCCTGCGCTACTACAGCAAGAACCGCCCAACCGAG
GCTGTCAGGTGCTACGAGCTGCTGGCCCTGCACCTGTCTGTCATCCCCACTGACCTGCTG
GTGCAGCAGGCCGGCCAGCTGGCCCGGCGCCTCTGGGAGGCCTCCCGTATCCCCCTGCTC
TAG
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Restriction Sites: NotI-NotI

ACCN: NM_000195

Insert Size: 3100 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).

OTI Annotation: This clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM_000195.2

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_000195.2, NP_000186.2
RefSeq Size:	3714 bp
RefSeq ORF:	2103 bp
Locus ID:	3257
UniProt ID:	Q92902
Cytogenetics:	10q24.2
Gene Summary:	This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. The encoded protein is a component of three different protein complexes termed biogenesis of lysosome-related organelles complex (BLOC)-3, BLOC4, and BLOC5. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 1. Alternative splicing results in multiple transcript variants. A pseudogene related to this gene is located on chromosome 22. [provided by RefSeq, Aug 2015] Transcript Variant: This variant (1) encodes the longest isoform (a). Variants 1, 6, and 7 all encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.